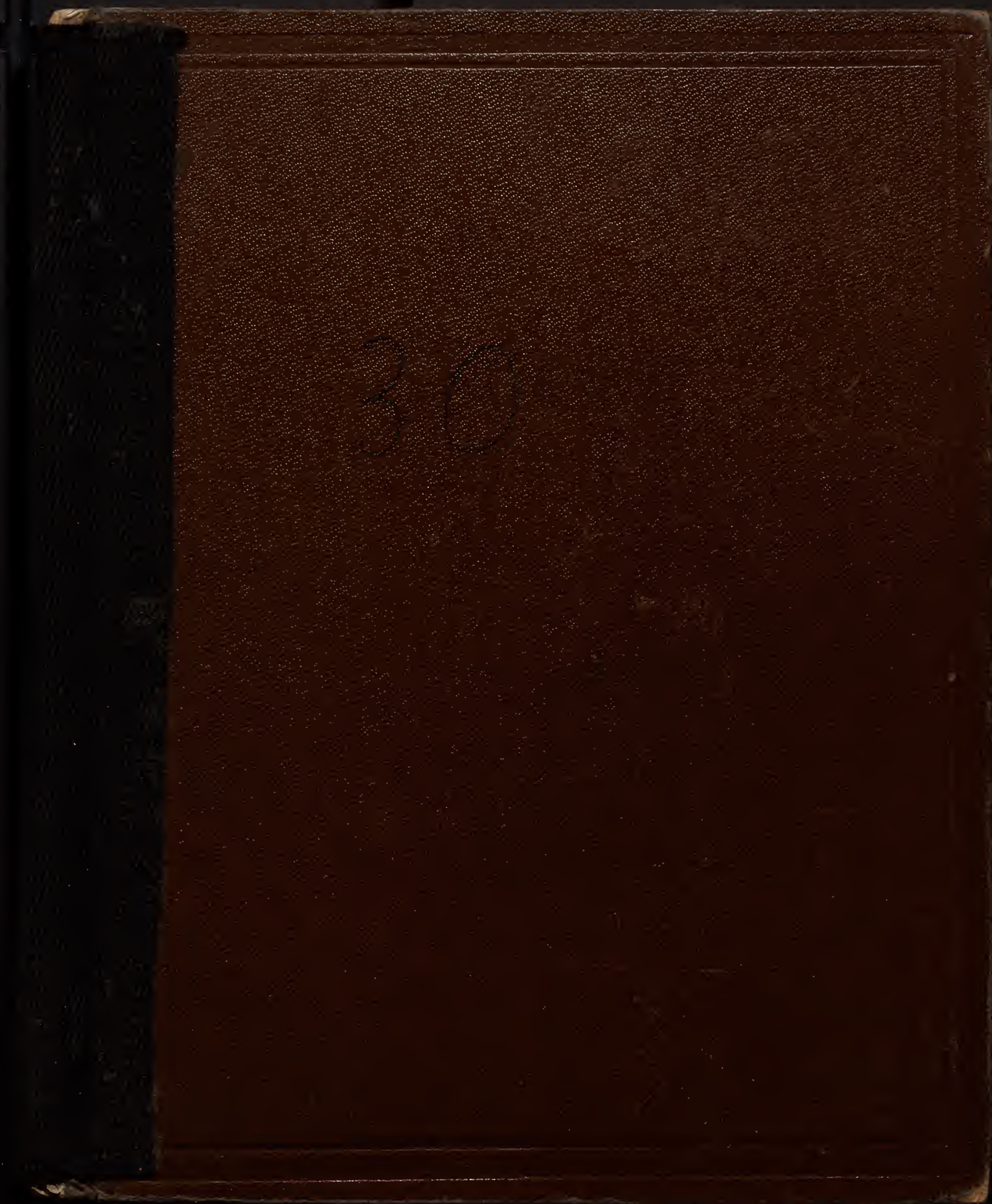


101



20th July 1961. Hymenoptera taken by R W Barclay at Solihull, Hants. England, & kept by A W S. (the remainder of the catch passed on to MacGillivray at Oxford): almost all swept at top of Glibert White zigzag path up The Hangars.

Homocidus (= Diplozon) subopacus Stålpo: 1 ♂, ant. 20.

Praon ♂ (ant. broken): very like minutator H. on my key, but tergite 3-6 too smooth to fit Thomson's description: otherwise id. spec.

Apariteles sp. ♀ of group 2 Marshall.

Rogus ♂ of circumscriptus complex: mainly, super-testaceus: ant. 40.

Allochoreus cf. lepidus ♂, ant. 31.

Pelican rupestris ♂, ant. 21, with abnormal stipes & reaction in key.

Spilichneumon (Stenichneumon) micans Stålpo. ♀, ant. 28.

O. (Stenichneumon) maculatus Hal. small ♂, ant. 38.

O. longicornis Hal. non Thomson ♀, ant. 20+, also a ♂, ant. 25.

O. curvatus Hal. 2 ♀♀, one with 26-seg. ant., the other with ant. broken.

O. semicinctus ♂, ant. 26, & almost whole of tergite 3 aciculate ♀.

Dacnusa disca ♂, ant. 29 (broken).

Dacnusa unius Hal. ♂, ant. 36.

D. lateralis Hal. ♀, ant. 40.

D. lara Hal. ♀, ant. 29.

20th July 1961. Hymenoptera taken by R.W. Barlesle at Selborne, Hants, England, & kept by A.W.S. (the remainder of the catch passed on to Marcus Graham at Oxford): almost all swept at top of Gilbert White's zigzag path up The Hangers.

Homocidus (= Diplozon) subopaca Stålpo: a nice ♀, ant. 20.

Bracon ♀ (ant. broken): runs to minutator H. in my key, but tergites 3-6 too smooth to fit Thomson's description: otherwise it agrees.

Apanteles sp.? ♀ of group 2 Marshall.

Rogas ♂ of circumscriptus complex: mainly rufo-testaceous: ant. 40.

Alloderus cf. lepidus ♂, ant. 31.

Placus ruficornis ♂, ant. 21, with abnormal stigmas & venation in 1st wing.

Opius (Bioterus) micans Stålpo. ♀, ant. 28.

O. (Bioterus) wesmali Hal. small ♂, ant. 38.

O. longicornis miki, non Thomson ♀, ant. 20+; also a ♂, ant. 25.

O. irregularis W. 2 ♀♀, one with 26-seg. ant., the other with ant. broken.

O. semiaciculatus ♂, ant. 26, & almost whole of tergite 3 aciculate!!

Decnusa dirona ♂, ant. 29+ (broken)

Decnusa uma Nixon. ♂, ant. 36.

D. lateralis Hal. ♀, ant. 40.

D. hera Nixon. ♀, ant. 29.

1. Apologies
2. Minutes of last Annual General Meeting and Business Meeting
3. Report of Honorary Secretary
4. Report of Honorary Treasurer
5. Report of Editor
6. Election of Editorial Board and other Honorary Officers:
 - (a) Chairman
 - (b) Editor
 - (c) Sectional Editors
 - (d) Honorary Secretary
 - (e) Honorary Assistant Secretary
 - (f) Honorary Treasurer
 - (g) Honorary Auditors
7. Election of Executive Committee
8. Circular to promote sale of journal
9. Report on preparation of 12-volume index
10. Any other business

VOL. 30.

DIARY

From 21st May 1961
until 9th Sept. 1961.

A. W. Stelfox

21st May 1961. A very perfect day, all sunny with light N.E. breeze. Left home, drove with bike, at 9.45 AM & went into Tollymore Park by Bursary Road & collected in a house in follows:—

1 = 10.15 till 11.15 - Garden of "Piggies Pad".

2 = 11.15 till 12.15 off back of 2. of top of back.

3 = 12.15 till 1.15 (lunch) & again from 3 till 4 P.M. in small area of old woodland S.E. of 2.

4 = 2.15 till 3 P.M. & on way back home from 4 till 4.30 in field plantation where former post was (now a road) S.W. of 2 & sides of avenue & woods on way back to the sheep-fold E. of boundary wall. Home at 5 P.M.

Tollymore Park, Co. Down

Insects taken at 1. In garden!

Asterion ♂, small, pale green.

Orthocentrus pictus rich. ♀, ant. 28 (See ♂, 28, taken here on 23.5.1961).

Homocidus cinctus ♀, ant. 21: dark form.

Mesochorus ♂ ♀, small, ant. 31

Phaenocarpa "exemplaris" but "1 rather large ♀, ant. 18."

Apanteles ♂, ant. 22

Apanteles ♂, var. with small post-petiole, ant. 24.

Adelius ♂, ant. 26 (♂), 27a X (♀).

Alus ♂, not id. *Alysia typus*, dark ♂, ant. 43.

Thynnus ♂, not id.

T. ♀, not id.

Belyta = *Achista*

21.5.61 (1) cont. Tollymore Park, DO, cont.

Proctos (Belytids) 2

Many *Oecusse areolaris* + 3 *adducta* 1 *areolaris* etc.

Chalcids 20-30.

Beetle

Pachyprotassi rapae ♂.
Pimpla cf. *flavicornis* ♂, ant. 28.
Exochus *laetator* ♂, ant. 30.
Brachichneumon variator ♂, ant. 28.

Insects in killing bottle from 1


Brachichneumon albicinctus ♂, ant. 37

Dopler (*Stenichneumon*) *ratzeburgi* ♀, 35 segs in antennae!

Insects taken at 2 (= meadow).

Aphidius melaleucus ♂

Hemiteles or *Phygadeuon* ♂♂, not id.

Exochus 2 = sp. nov. (?) (♀?), face black, marked white, thorax = *E. signatus* sp. n.  AHS 23.3.1962.

Orthocentrus protuberans ♀, not id.

Camptopogon ♂♂ = *Anisota tricornis*, ant. both 30.

Opius rufatus Hal. ♂, ant. 43. Very nice in shape!

Phytodietus 2 very nice! = *Diculus torticornis* ♀, ant. 35.

= *Diculus scutellator* ♂, ant. 30.

Rhyssalus cf. *curvicauda*, dark ♂, ant. 39 {thorax + abdomen mainly blackish, but legs red & orbits & mesopleura red lines giving distinct form!}

Exochus areolaris ♂ = *Aspilota cynipidis* ♀, ant. with dark 21-seg.
- *Exochus adductus* ♀, ant. 33.

Chalcid 1 ♂ =

Chalcid ca 16 sent to Graham!

In killing bottle from 2. *Orthocentrus ruficornis* ♂, ant. 39. *Exochus* ?

Homocidus *affinis* ♂, ant. 21.

21.5.61, cont. Tollymore Park, DO, cont.

Small *Exochus* at 3 = in meadow!

Brachichneumon 2 ♂♂ = *E. variator*, one not id., ant. 27.

Pimpla cf. *flavicornis* ♂, not id.

Homocidus *pectoratorius*, 4 ♂♂, none id.

H. flavicornis 3 ♂♂ but only one not id., ant. 26.

Stenomacrus *curvicauda* ♂, ant. 26. a beautiful specimen!

Phytodietus *westringi* ♂, ant. 30.

Camptopogon ♂♂, none id.

Pentapleura 1 = *Pentapleura* ♂, no areolet, ant. ca 20, but a most segmental form & construction is rather difficult to count!

Aspilota (*Exochus*) *temporalis* ♂, ant. 22; very nice example

Chalcid ca 20.

Belytids 2 = *Leptocryptus* ♂♂ 2 ♂♂

Dipriid 1 =

Hemiteles (off ant) =

Insects in killing bottle from 3

Nomada *maritima* ♀ *Nomada* *superior* ♀

Pamphilius *syntrochus* 1 ♂♂.

Pentapleura *coarctata* ♂, ant. 41, probably like those found in bottle the ♀

taken at 1.12.61, 1961, (sent to Graham by J. F. S. & Graham, p. 187)

Ichneumon *fulvipes* ♂, ant. 34.

Triclistus ♂, ant. 26. ♂, ant. 24.

Tigra *signatus* ? ♂, ant. 32. *Homocidus* *pectoratorius* ♂, ant. 21.

Homocidus *caratorius* ♀, large, ant. 23; with 2 in ant. 21. forming.

Triclistus ♂, large, ant. 41. *Aspilota* cf. *inflator* ♂, ant. 36.

21.5.61, cont. - Tollymore Park, DO, cont.

Insect taken at sea & in meadow.

Sternonema nitidum 10♂, 1♀, not mtd.

St. fennipenni ♂, ant. 25. *St. sylvestris* v. *pinnatus* ♂, ant. 26.

Homocidus floricollis ♂, not mtd.

H. cinctus ♂, ant. 21.

H. obscuripes ant. 21.

Promethes sanguineus ♂, ant. X.

Polyblastus waslingi ♂, ant. 30.

Phaenocarpa caerulea sili, var. *Thomsoni*, ♂, ant. 17, 'another - not about mining!'

Leptopygid ♂, not mtd.

Plectiscus 11 = *hyacinthin* *infusum* ♂, ant. 32. *Licinus caucasicus* ♂, ant. 20.

Plectiscus ♂, ant. 22. *Plectiscus* cf. *concolor* ♀, ant. 21.

Chrysomelids ♀, ♂, ant. 21 & 22.

Agathidium ♀ = *A.* cf. *near pallipes*, but propodeum not carinate!

Ascoagaster concolor (♂?), ant. 31.

Metacoelus cf. *confusus* ♂, var. with indistinct narrowest m. ant. 32, stigma pale, heavily bordered and quercus!

Stenobothrus rapae, small ♂, with almost black legs, ant. 21.

Gentilis lucidator ♂, ant. 25, very dark stigma & yet more terminal!

Opius 3 = *O. imbricatus*, small ♂, ant. 25.

O. levi, 2 small ♂♂, ant. 23 & 24.

21.5.61, cont. - Tollymore Park, DO, cont.

Taken at sea, cont.

Aspilota atra, large ♂, large, long antennae; ant. 30

Phaenocarpa caerulea in hand etc. - especially on site of former pool.

St. longicauda. *D. maculipes* ♀, on site of pool? ant. 24.

D. melanocera ♂, ant. 27.

Phaenocarpa dentata ♂, ant. 11.

Chrysomelids & small *Phaenocarpa* common.

22nd & 23rd May 1961 Entirely dull, calm, ^{+ dry} & mainly chilly. Various work in garden.

24th May. Very like yesterday, but a few minutes very light drizzle - afternoon & again in evening.

25th May. Bright, clear, sunny, but cold & dry now. The sun will NW & later NE breeze & frost forecast for 2nd and 3rd & more on 4th & 5th in Scotland.

Took about 2 dozen photos in garden on a new roll of Kodachrome film (20 exposures). All at 1/100 & 1/200.

26 May. Similar, dry, cold, but mainly sunny!

31st May.

3 to 61, cont. Shinn Park, Newcastle, Co. Down.
Insects taken at 1.

Longhorn 6

Promethes sagittatus ♀

Therobachid ♂

Angitia caudata ♀

Pteronotus communis ♂ & ♀, not id.

Metacoelus fragilis ♂, ant. 35.

Macrometacoelus "sp. type" ♂, ant. 36.

Opius cressi ♀, other = *O. levis* ♂, ant. 23, coxae much paler!

Tanyocampa ancilla Hal ♀, ant. 22.

Phaenocarpa ruficeps ♂

[One *C. pilosus*!]

Dacnusa (s) *areolaris* in "million". 2 *D. maculipes* & 2 *D. longicauda* ♂

Chorebus conjugens ♂

Aspilota sp. 2 females.

Pachy } a few of each. (One much blacker, & *Pachy* only id. & *brachy* (Doid. AWS.)
blackish.

In 1 hour at 10 AM. Tollymore Park, Newcastle, 20.

Taken at 2.

File f. 7. Perkins

Cratichneumon varipes ♀, ant. 22.

Hemiteles

Promethes fulvipes & *sagittatus* ♂ & ♀.

Beauveria "lucicola" ♀

Hemiteles *brachy* ♂

Meloboris

♀, ant. 33.

3 to 61 (2) cont. Tollymore Park, 20, cont.

Pteronotus areolaris ♂ 2 ♂♂, ant. 34 & 40; the smaller with peculiar marked hind femora.

Longhorn *nigripes* W. ♀, ant. 42, very nice, highly coloured example.

Empidus thomasi ♂, ant. 16.

Phaenocarpa piceicornis ♂.

Aspilota ♂♂ *fulvipes* ♂ & ♀♀, only one mtd = *prova* complex, ant. 20.

Dacnusa (s) *areolaris* eggs. 1 mtd. 2 (s) *areolaris* ♂ & ♀.

2 *maculipes* ♂

Chorebus conjugens ♂ & ♀.

Aspilota sp. 6 females!

Pachy 6 females, including a large, dark winged ♂ = *brachy* *nigripennis* Th., large ♂.
blackish? sp. ♂.

Chorebus ♂ & ♀, one with brown hind legs.

Hemiteles ♂

Lucania ♂

4th June 1961. A lovely fresh sunny day with moderate S. wind on shore (E) wind. Not an insect day like yesterday, but much pleasant! Left home at 9.30 (bike) & reached the Loughrath gate at 10 AM. & collected in Tollymore Park till 4.0 P.M. in three areas, as follows: —

4.6.61(2) cont. Tollymore Park, DO, cont.

Ascogaster concolor 2 ♂♂, ant. 31 & 32.

Microstoma cf. *sublimis* ♂, ant. 22.

Opina sp. ♂ - ant. 21.

Aspilota ruficornis ♀, ant. 26.

Dacnusa (s.) *areolaris*, common. *D. subobscura* 3 ♂♂.

D. areolaris ♂, var. *funicularis* ♂, ant. 29.

Triclistus sp. ♂

Proctos 2 = *Belyta forticornis*, 2 ♂♂, fide Nixon, 28.11.61.

Chalcids: ca. 12-13.

Taken at 9.

Longiclavus 6: 4 ♂♂ = *Phygadeuon*, 1 ♂, ant. 26 =

♂, ant. 21 =

♀, ant. 20 =

♀, ant. 19 =

Homocidus alpinus 2 ♂♂, one larger & typical, ant. 21, the other half the size & with dark markings, ant. 20.

H. tenuatorius ♀, ant. 23.

Eulophus ruficornis 2 ♂♂, ant. both 27. *Polyblastus*? ♂, ant. 30.

Proctos 2 = *Acrotaphus dentifera* ♂, ant. 27.

and *Lathrolestes minutus* Bridgman ♂, ant. 26, fide J.F. Perkins.

Proctos 2 = *Phaenocarpa longipes* ♀, ant. 27.

Olesicampe cf. *femorata* ♂. 2 ♂♂, ant. 39.

Proctos 3: 2 ♂♂ = *Helictes* & *Proctos*? small ♂, ant. 27.

Acrodactyla madida Hal. ♂, ant. 24.

4.6.61(3) cont. Tollymore Park DO, cont.

Euphorus 2 { *E. thomsoni* ♂ (♂?) with large head & thick legs, ant. 21, short spines with single denticulate teeth; *E. fulvipes* ♂, ant. 16.

Microstoma cf. *sublimis* 1 ♂, 2 ♀♀, ant. 22 (♂), 25 & 27 (♀♀), very dark red legs, small, ant. 21.

Aspilota *distigma* ♀, taken when I did not know the specimen, ant. 22; ant. 22.

Dacnusa (s.) *areolaris* common. *D. subobscura* 2: ant. 22.

D. subobscura ♂, ant. 22. *D. didas* Nixon, large ♂, ant. 28.

Aphidius aphidivorus 1 ♂, small ♀, ant. 14.

Triclistus *latidens*? ♀, ant. 21.

Proctos 11 (a very minute *Phygadeuon*): including *Diapars nigripes*, Th. ♂, and 4 *Belyta* = *Belyta* cf. *forticornis* ♂, ant. 26, sp. ♂, *Pentochus* sp. ♂, all AWS. *Acrotaphus* ♂, ant. 27, Nixon agrees! 29.11.61. *Pentochus* *brunneola* K. fide Nixon, 28.11.61.

Chalcids 20-30.

5th June '61. Left a heavy dull night & a light drizzle in the afternoon, gradually becoming drier & a hot sun & wind came in.

Till about midnight. Wind light & dry.

6th June. Dull in forenoon with some drizzle, showers & light fog clearing in afternoon with some sunbursts. Wind S.W. then E in afternoon & finally W. & light drizzle in evening.

7th June. "Bright period & showers", with more drizzle in afternoon when temperature dropped considerably.

8th June. After a dry night & a very warm forenoon, during which I got a lot of flies, wind rose to strong from West & rain fell much in afternoon. Very cold & stormy in evening & heavy rain.

Aphidius ruficornis? ♀ on young lily, on fern leaf in garden (Gordon?)

9th June 1961. A very nice sunny & clear day, but no wind & no sun, warm, & a great contrast to 8th.

10th June. Bitterly cold E-SE-NE wind, falling calm in evening. Drizzle or rain off & on all day. (School & fire in evening!)

11th June. A perfect day, with light NW (later E on shore) breeze & almost entirely sunny. In afternoon we walked round Strimshilly & took off tea with us. I caught one spot on way up, but got few insects & of no importance & picked all up with help & dozen Chalcids for Graham.

12th June. After a dull, calm & dry night, mainly dull with E-NE wind till late afternoon: a slight drizzle fell between 11.00 & noon, but the day gradually improved afterwards & it became warmer also. Left home with bike at 10.40 & rode to Tollymore Park via Bannagland & collected in three areas, sweeping & hand-picking, as follows: — Tollymore Park, Co. DO.

1 = Side of path in wood, from Bannagland gate to Piggie Pad, up Piggie Pad (during drizzle) & from top of same along side of avenue along N. side of the river to where an old track branches off SW. 10.30 till 1.20.

2 = Side of shore old track & avenue from W. end of same bank along S. side of the river to the end of old woodland, 3.00 till 3.30 P.M.

3 = Part of old woodland just N. of the beach plantation 3.30 till 4.00 P.M.

Left 3 at 4.00 & returned to bike at 5.5 (at Bannagland gate & home) at 5.15 P.M. [Took ♀ *Apanteles pallipes*? on kitchen window in

21 Tollymore Park Road. 12.6.1961]

12.6.1961 cont.

Tollymore Park, Co. DO, cont.

3 In killing bottle

Sample 4 = *Tenthredinaria ruficornis* 10, 12, red form (at 2 & 1 respectively)

Heptamelus ochroleucus ♀ at 3.

Antrenia nemata *laricis* ♂.

Vespa norvegica ♀ at 3, on log, gathering pulp.

Formica fusca spp. ♀ at 3; not std.

Schneussonia extensor ♀ red abd., small: at 1. ant. 31.

Pacilodictus citharus ♂, black, yellow banded apical tergite & at 2 (off hand). ^{ant. 39}

Cratichneumon fulvicornis (cf. 20.6.61): appears to be *fulvicornis* ♂. See Perkins, Trans. Ent. Soc. 1959. *Belonista mandibulata* ♂, ant. 22. ^{at 1}

Polyblastus westringi ♂, ant. 32.

Stenomacrus sp. *antilope*? ♂, ant. 37

Paralotus crustatus ♀, large, at 2: ant. 49.

Aspilota sp. ♀, at 2, ant. 49, red thorax = ^{"Flavodolus Grav. (red thorax form)"} (note J. F. Perkins 19.4.1962)

Red-tailed ♂ = *Triclistus* sp. *striatus* ♂, ant. 37.

Coenoblastus *scutellatus*, all on old vegetation to spot. from 3. Since a broken horn was 4.6.61

Taken at 1 & in numbers. [10 labelled 17.6.61.] [35 labelled 20.12.61.]

P.T.O.

19.6.61 (1), cont.

Tollymore Park, D.O., cont.

18.6.61 forming

Anteon

very small ♂.

Perichneumon *locutor* (= *albivittatus*!) ♂: not mtd.

Delomeristia *maculipes* ♂, ant. 32. *Aerodactylus* cf. *medialis* ♂, ant. 24.

Cryptus ♂ = *Heinrichi* sp. ♂-♀, ant. both 22.

Phygadeuon? sp. ♂, ant. 21, very broad occiput.

Mesochorus cf. *liosterus* Thom? ♂, ant. 31. *Leptocryptus* sp. ♂, ant. 21.

Stenomacrus (*maculipes*) sp. ♀, ant. 18, small clasper?

S. ventralis ♂ & ♀: not mtd. *S. ridibundus* ♂, ant. 23.

Polyblastus *montivagus* ♂: small ♂ mtd, ant. 20.

Promethes *laticarpus* ♂, ant. 24.

Stilbopis *limnerisiformis* ♂, ant. 23.

Tryphonidae *Synaldis* sp.: not mtd.

Anthracus *crassifemur* Thom. ♂ (cf. *f. f. f.* *Parker*).

Phaenocarpa *transfuga* ♀, ant. 27: ovipositor not mtd!

Mesochorus ♂ & ♀, 24♀: 1♂, 1♀ only mtd.

= *M.* sp. ♂, ant. 29. *M.* sp. ♀, ant. 34.

Phaenocarpa ♂ & ♀: *Nicola* ♂, ant. 29.

Pachyneur? sp. ♂, ant. 30. *Pachyneur* sp. ♂, ant. 29.

Pachyneur sp. ♂, ant. 30. *Pachyneur*? sp. ♂, ant. 31.

Helictes sp. ♀, ant. 21. *H.* sp. ♀, ant. 22.

Colletes *lucorum* ♂, not mtd. *Apanteles* *albipalpis* 2♂♂, 1♀, ant. 22, 21, 21.

Phygadeuon *clavipes* ♂ & ♀: not mtd.

Tollymore Park, D.O., cont.

Taken at 1, cont.

Euphorus *thomsoni* 1 (♂?) = *clavipes* *Parker*: large head! ant. 18.

Microctonus *luteicornis*: 2♂♂, ant. 19-20.

M. sp. 1, small ♀, ant. 20. same as 24♀ from Yellowish Wd., Thom. ant. 27.6.50.

Leptocryptus *subulatus*? black ♀, ant. 23. [*Leptocryptus* *lucidatus* ♂ & ♀ 2]

Opius sp. 1♂ - the only *Opius* in maker! not mtd.

Aspilota *praeceps* ♂ & ♀, ant. 30.

2. ♀, ant. 22. *A. (Aspilota)* *canadensis*? ♂, not mtd.

Dacnusa cf. *areolaris* in hundred. but ignored: 2♂♂, ant. 20 & 21.

L. longicauda? ♂ & ♀ *aphanta* *fugax* - new mtd.

2. ♂, ant. 20. = *D. didas* ♂, ant. 35, large head expanded behind eyes!

D. melanocera ♀, ant. 27.

D. eros v. *quadratus* sp. ♀, ant. 34.

Aphidius sp. abundant. 2 ♀♀ mtd. = *A. eros*, ant. both 18. (same as *A. eros* from 1st mtd. 18.6.50.)

[*A. aphidius* ♀ taken but not in maker by evening; from 2 mtd. 17]

Diaparsus *planiceps* ♂, ant. 27.

Promethes " mtd. (very small mtd. to *Parker*) = *Cyrtomeris* *undulatus* ♂.

Diaparsus ♂ = *undulatus* ♂. *Cyrtomeris* *undulatus* ♂.

Pantochus? sp. ♂.

Leptocryptus cf. *pallipes* ♀.

Leptocryptus sp. ♂.

Colletes sp. ♂.

Bees 1 small, green.

16

12.6.61 cont.

Tollymore Park, DO, cont.

Taken at 2 + in muck. [45 mtd.]

Hyptis scholensis ♂

Leptocryptus ruficornis ♂, ant. 33.

Cryptus ♂ = *Henitela*? ♂ ant. 17, v. small.
= Gen. det. ♂, ant. 25, =

Euclyptus sp. ♂ =

Chalcid ♂: one mtd. ♂, ant. 20 =

Stenomacrus *ridibundus* ♂, ant. 27; not mtd. *Orthocentrus* in fortis? ♂, ant. 27.

St. laticornis ♂, ant. 28. 1 only mtd. = *Stenomacrus* *nov. confinis*, ♂, ant. 21.

Picrostigma sp. *reticulatus* ♂, ant. 28; also a smaller ♂, ant. 27.

Homocidus *minutus* ♀, ant. 20: small dark specimen.

Polyblastus *westringi* 2 ♂♂: 1 mtd. ant. 30.

1. ♂, ant. 18: red abd., black femora.

Perilissus *orbitalis* ♀, ant. 36.

Pedroctonus *transfiga* ♂, ♀: ant. 28(♂), 26(♀).

Leptocryptus 2: not mtd.

Microctonus sp. 3 ♀♀, of v. small sp. of diff. sizes: ant. 21, 22 + 28, yet all seem same species.

Pentapleura: *Polyaulon* sp. ♂, ant. 18: larger, dark wings & legs.

Bracon *satanas* ♂ (ant. 33), ♀ (ant. 30).

B. singularis Marshall, ♂, ant. 29.

Pentapleura *costaricensis* Gen. sp. ♂, ant. 39.
15 mtd. ♂♂: 11 *costaricensis*
in mtd. ♂♂: 11 *costaricensis*

Stenomacrus sp. ♂, ant. 19.

Leptocryptus *medialis* ♂, ant. 24.

12.6.61 (2) cont.

Tollymore Park, DO, cont.

Ascoxyptus *consobrinus* ♂, ant. 31.

Microctonus sp. *cultus* ♂, ant. 23.

Euphorus sp. *pallipes* 3: 2 ♂♂, 1 ♀ ant. 23-26 (♂♂), 22(♀).

E. intactus ♀, ant. 16. *E. parvulus* ♂, ant. 18.

Parapentapleura *pusilla* ♀: 1 large, ant. 20; also 1 small & not mtd.

Laenura *areolaris*, *adducta* & *melanocera*: none mtd.

Aphidius common: 2 mtd. = *Aph. cf. granum* 2 ♂♂, ant. both 18. (if not this sp. then none of the above.)

Proctos 3 + many mtd. *Proctos* sent to Graham: 2 mtd. =

Leptochaptus *montivagus* K. ♀.

Chalcid 20: sent to Graham.

Diptera 4 =

Beetle 1 =

Taken at 3.

12.6.61 cont

Tollymore Park, DO., cont.

Taken at 3 cont. [9 mtd]

Antennae of *inflor.* ? ♀

Promethes "sticticus" ♂; not mtd.

Microgaster *protuberans* ♀; not mtd.

Pimpla of *recticollis* ♂, ant. 29: smaller than.

Chrysomelids ♂; not mtd.

Apanteles *allucosus* ♂; not mtd.

Apanteles of *nitidus* ♂; not mtd.

Rogas *caerulescens* ? ♀, ant. 38.

Ephialtes of *pellucens* ♂, ant. 25.

Orthocentrus of *crucifera* ♀, ant. 22.

Aspilota [♀, long tail; not seen when "belting"]

A. crassifemur n. ♀ very short legs: ant. 25.

A. of curculionis ♂, ant. 23.

Leucospis *crucifera* ♂; common

Leucospis *melanocera* ? *D. elegantula* ♀ } none mtd. No. 1. *crucifera* ♂; common. *Leucospis* ? AWS. 1962.

Triclistus *betulae* ♀, ant. 11: this is probably only same as *betulae* described. AWS.

Aphidius spp. common

Pentapleura ♂, ant. 11: this is probably only same as *prolongata* ? ♂.

Edible about 4 days.

13th June 1961.

A very fine day, mainly sunny, with some clouds, drying rather in evening.

14th June. Drizzle came on in early morning & lasted till about noon & the afternoon was mainly dull, but with some sun. Spots & wind scattered & light. The rain did not seem to penetrate up the garden.

15th June. Dull, mainly sunny & warm, mainly chilly & with a morning rain.

16th June. A dry, sunny, windy day, E. or S.E. breeze, then dropping & gale from S.W. till midnight, getting warmer.

17th June. Dull, with a cold S. or S.W. breeze from 10 P.M. onwards with falling glass & some rain. Took a *Proctotrupid* in kitchen window = *Exallonyx* ♂.

18th June. Sunday. A very dry, windy (W), harsh, day & washed most of the good done by the rain yesterday, after a dry windy night. First *crucifera* (self sown) in flower yesterday. Took a ♀ *Sphex* *affinis* in garden hunting for burrows of some small *Halticids*, of which there are very many. On 16th. I saw what can only have been a ♂ *Conopsea* *nigrescens* in back garden.

19th June. A dry, mainly dull day: chilly & windy (W) at times & calm & sultry at others. Went to Tollymore Park & collected in five areas as follows: 10.40 AM till 2.30 PM.

- 1 = From Burrenland gate, to the avenue, to foot of Reggie's Pad till noon.
- 2 = Sides of Reggie's Pad to the rose at trees at top: noon till 1 P.M.
- 3 = Sides of road, old track & back round to Dune. 2 till 3.30 PM.
- 4 = Plantation around the river where small pool was formerly 3.40 - 4.30 PM.
- 5 = Part of old woodland S. of the Parish Plantation. 4.30 - 5.0 P.M.

Most of insects in killing bottle came from 1, & 4 & 5 only from 2 & 3.

19.6.61, cont. Tollymore Park, Co. DO, cont.
Insects - killing bottle & mostly from sticky 1-4 p.p.m. 2-3.

Crabro dimidiatus ♂. *Dolichopus* sp. ♀
Schizomyia 2 = *Aoplus defraudator* ♂, ant. 25. *Cratichneumon* sp. ♂, ant. 35.
Microcryptus (Apten.) ♂, ant. 29, possibly *apiculator* Grav.?
Leptocryptus sp. ♂, ant. 22.
Ephebe sp. ♂, ant. 25.
Taphrus signator ♂, ant. 35.
Hemiteles 2 ♀ = *H. terratorius*, ant. both 23.
Polyblastus sp. ♂, ant. 30.
Monoblastus sp. parasite of *Hemiteles*! ♂, ant. 30.
Microplitis sp. ♂, ant. 26.
Microplitis ?? sp. ♂, ant. 26.
Parabatus latungula ♀, ant. 22.
Rogas cf. *cantherinus* Lyl. dark ♀, ant. 39.
Cryptus sp. ♂, ant. 33.
Beetle = *Anthrenus* sp.

Taken at 1 in water

Cryptus 4: 3 mtd. = *Hemiteles areator* ♀, ant. 24. *Phygadeuon* ♀, ant. 21.
Ichneumon ?? ♂, ant. 29, *Myrmica mesonotus*!
Orthocentrus pictus sp. ♀, ant. 30: (clypeus, mandibles, lower cheek & base fronted orbit orange-testaceous; areolet rhomboidal, 2° Ant. 3. 11. 1961.)
O. cf. *aper* var. nov. *exaristatus* (not trace of areolet, longer, darker stigma, ♂) ♂, ant. 26!
Phaenocarpa moritornis ♂, ant. 20.

(1) 19.6.61, cont. Tollymore Park, DO, cont.

Campoplegid ♀, not mtd.
Microctonus 2 small ♂♂, 1 mtd. has 23-seg. antennae
Pteronotus 6, including *Cynipidus* all *fulvus* 2 ♂♂; none mtd.
Oncogaster consobrina (♂?), ant. 32.
Euphorus thomsoni miki. 1 ♂, 2 ♀♀, ant. all 16.
Euphorus sp. parasite ♂ (1 mtd.); ant. all 16.
Microctonus 2 ♂♂, 1 ♀ = "sp. nov. Tollymore", ant. 22 (♂♂), 18 (♀); see also note 2. 2. 61.
Opius xanthogaster m. ♂, ant. 35.
Phaenocarpa sp. 2 small ♂♂.
Aspilota cf. *atra* ♀, ant. 22.
Exochus longicauda, *adductus*, *exilis* common; none mtd.
E. una ♂ & ♀, ant. both 38.

Aphidius sp. abundant, 1 mtd. = *A. pterocommae* ♀, ant. 19.
Proctos - common, 1 mtd. = *Proctos* sp. ♂, ant. 24.
Cinctus abuceps ♀. *Proctos* sp. ♂, ant. 24.

Chalcids - ca 1 dozen, some very minute; sent. 2 Graham

Cynipids 2 minute
Beetle 1

19.6.61, cont. - Tollymore Park, DO., cont.

Taken at 2 + in rocks.

Cryptinids 2, 4 etc = *Phygadeuon* (ant. 23) very wide mesothorax!
(2, ant. 19)

Picrostegus *recticauda*, large ♀, ant. 23+ (Baker!).

Stenomacrus (*truncatus*) cf. *pusillus* ♀, ant. 20.

B. saron cf. *stridatus* ♀, ant. 34. *Colletes* *brevicornis* ♀: not mtd.

Pogon *cantherinus* 2 ♀, ant. 37: a dark form, apparently characteristic of the locality.

Apanteles *delectus* Hal. ♀, very nice!

Euphorus 2 = ♀ of *gurgis* ♀, ant. 18+: radius almost sessile!
♂ *thomsoni* (♀?), ant. 16.

Microctonus cf. *pellucidus* Wood, 1950 [ant. 21, Hal.]: ♀, ant. 21.

Eubledius *extremus* ♂, ant. 42

Pygostolus *sticticus* ♀, ant. 34. *P. saron* cf. ♂, ant. 19
cf. ♂ from Travah, al. 19/12/61 SP.

Exochus *exilis* in millions, *longicauda*, *halictus* common, none mtd.

D. deca 2 ♂, ant. 34 & 35. *D. nina* ♀, ant. 36.

L. deca 2 ♂, ant. 34 & 35. *L. nina* ♀, ant. 36.

Agrotis *planiceps* ♂, ant. 23, 23, 24 & 24.

Aphidius *pterocomma* 1 ♂, ant. 22, 3 ♀♀, ant. 18, 18 & 19.

Proctos. 4 + 10 mtd. + 1 mtd. only mtd. See opp. page

Chalcids 22 + 15.

19.6.61, cont. - Tollymore Park, DO., cont.

Taken at 2 + in rocks.

Stenomacrus 2 ♂ & ♀: not mtd.

Oxygaster 2 ♂♂: not mtd.; only one mtd.

Cryptinids 2 mtd. = *Leptocryptus* sp. ♂, ant. 27.

Aerodactylus cf. *madida*, small ♂, ant. 23. *Ephialtes* *apicatus* ♀: ant. 22, ant. 22!

Stenomacrus *minutus* ♂ & ♀, ant. 23 & 24. *Stenomacrus* (H.) sp. ♂, ant. 20.
(ant. 20, style, dark, not mtd. as flattened, etc. - mtd. 19/12/61)

Picrostegus ? ♂, ant. 30.

Colletes *westringi* 2 ♂♂: not mtd.

Colletes *truncatus* = *Cataglyphis* *fortipes*, ♂, ant. X.

Asthenes *crassifemur* ♂, ant. X.

Lathrolestes *minutus* ♂, ant. 26 (= *bipunctatus*?).

Lampyris *sp.*, mtd., 2 ♂♂: none mtd.

Microctonus *politus* 2 ♂♂.

Euphorus 2 = ♀ of *microctonus* (H.) (♀?), ant. 17.

Stenomacrus = *B. longicauda*! ♂, ant. 19.

Pygostolus *sticticus* ♀: not mtd.

Opius *macrocercus* 10 ♀♀ (= *chian* AWS), ant. 50.

Orthocentrus cf. *cratichneumon* large ♀, ant. 31.

Exochus *exilis* in millions. *E. melanurus* common. *E. schultzei* a few.

E. personatus ♂, ant. 25.

Aphidius cf. *pterocomma* 1 ♂ & ♀ = *A. pterocomma* 1 ♂ & ♀, ant. all 19.

→ These Proctos. were taken at 2 + not 3, not mtd. → *Cryptoserphus* *caelestis* ♀.
Phaenocarpa ? *caelestis* Hal. var. 2 ♂♂, with wings & nerven very dark, radius more curved, etc.

Proctos small, mtd. 14 large mtd. = *Adista* ? sp. ♂.

Chalcids 22 - 12 mtd. only, 10 mtd. to Graham.

Chalcids 22 - 12 mtd. only, 10 mtd. to Graham.

Chalcids 22 - 12 mtd. only, 10 mtd. to Graham.

Chalcids 22 - 12 mtd. only, 10 mtd. to Graham.

26 1956-61, cont.

Tollymore Park, D.O., cont.

Taken at 4 p.m. in meadow.

Cryptinids 2: 1 mtd. = *Hemiteles* ♂, ant. 24.

Polyblastus *monticola* 2 ♂♂, not mtd. *P. pratensis*? ♀, ant. 29.

Mesochorus 2 ♂♂: 1 mtd. = *M.* sp. ♂, ant. 32.

Phaenocarpa 2 = *Acrobolophus dentifera* ♂, ant. 28.

Helictes sp. ♀, ant. 20.

Rogas catherinus? ♀, dark var., ant. 41.

Apanteles sp. 1 ♂, 2 ♀♀, small. Head of ♀♀ large, partly to thorax, 2 all black.

Euphorus cf. *pallipes* 3 ♂♂, not mtd. *E. cf. parvulus* (♂?), ant. 16.

Spilus cf. *lucii* ♂, ant. 22. *Pimpla* cf. *cathartes*, small ♂, ant. 22.

Dacnusa 2 ♂♂: 1 large, 1 small. (For name in meadow)

D. eros 2 ♀♀, ant. 32 & 39. *Spilus* *retusus* Hal. ant. 32.

Apanteles cf. *plagiator* but more like *D. (R.) longicauda* ♀, ant. 22.

Ichneumon 1

Chalcid

Taken at 5 p.m. in meadow.

Polyblastus cf. *pratensis* ♀, ant. 30.

Mesochorus *velox* Hal. ♂, small, not mtd.

Rogas catherinus? ♀, ant. 37.

Apanteles *brunneator*? ♂

Dacnusa *areolaris* abundant. Head of ♂ small, ant. 19, short black legs, but not black of thorax.

Ichneumon *selmi*? ♀, ant. 18.

Chalcid 1 ♂, small, not mtd.

20th June '61. A bright mild warm sunny day with three showers from noon till 4 P.M., wind W. & light, falling calm at sunset. The morning being enough to ease the watering situation. Finished cutting (by hand) the vegetation at sides of the various paths in morning, without touching the paths.

21st June. A fine forenoon & early afternoon, with hot sun at times, but drizzle & then rain set in at 6 P.M. & continued till about 9 P.M., wind E & later S-SW, fresh at times, calm at others. Hot sun & heat all the grass cut in morning, getting dry although not really dry.

22nd June. A very fine, warm, calm & sunny day, after a dry night. Hot sun & heat all day, W. NW & in the forenoon. But fresh breeze.

23rd June. A hot, dry, day, with W. wind, strong at times.

P. Brouncker arrived at 9.30 P.M. from Dublin for the weekend.

24th June. Sat. All day went to Glendunmore so that Brouncker could see the *Mercuria* & I did a few minutes sweeping along the coast S. of Glendunmore Port. There Brouncker picked up *Koleiris cristata* & 4 grass. Had been looking for some *Mercuria*, where recorded by Tuckley, but not referred to by Stewart & Prager.

Insects taken on coast S. of Glendunmore Port, Co. Down.

Grasshopper = *Cryptus* ♂, not mtd.

Coelophylax 2 = *Coelophylax* cf. *remota* (ant. 30) & ♀ (ant. 18).

Brachon communis n. in *Chalcid* & *Ichneumon* ♂♀. *B. fulvipes* ♀, not mtd.

B. cf. exarator ♂, ant. 35. *B. cf. fulvipes* n. ♂, ant. 27, very small!

Apanteles ♂, ant. 21. *Sigalphus* *sedatus* ♂ & ♀, not mtd. *Euphorus* cf. *pallipes* 1, not mtd.

Spilus ♂, not mtd. *Aspilota* *cyanea* ♂, not mtd. *Dacnusa* *areolaris* abundant.

Dacnusa *elegans* 1 mtd. *D. cyclops* ♂, not mtd.

20th June.

24.6.61, cont. *Spodoprius* (cont.), G. D., cont.

Proctos. a few minutes: 1 *Phaenocarpa* only mtd. =

Chalcids in greatest abundance & none mtd. except off

Rosa spinosissima. Including *Tetraneura* ^{See below p. 2 of 24.VII.61} *cydoniae*, with beaded wings

[24.6.61, cont. Received today 2 ♂ *Tricholabus strigatus* from bred by S.S.A. Baynes from 1st inst. of *Tricholabus* mtd. at the Kilmacshane Hill, Co. Dub., on 7.8.1960: 1st. emerged from pupa on 23.6.1961.]

25th June. A dull, almost drizzling day, with 7/8 in. for

a couple of hours in late afternoon. Sunday.

Left for Brainerd & back to Tollymore Park at 10 AM, walking by the bank of the river. We went as far as the Spinkhouse River & returned across the river. We saw many, especially for *Rosa* *min.*, which I got yesterday before the rain fell. (I had seen some there near the

Spinkhouse River. We reached the Spinkhouse, but found the gorge embedded deep in plantation & virtually impossible to penetrate.

The gorge itself is impossible to ascend, but still natural &

full of a native flora including some young *cliviana*, which I thought might be *Rosa* *padana* f. *fortunei* ^(See above p. 2 of 24.VII.61) *fortunei*.

I collected by sweeping a. we went up "Riggie's Pad" & took the following, but did not collect seriously. Also stopped to examine the beech bark logs on avenue S. of the West Drive & on the logs back with my fingers. 2 ♀♀ *Ephialtes cynanchi*, one of which was in the act of ovipositing, & also a ♀ *Hyperaspis crassicornis*.

25th June '61, cont. - Tollymore Park, D.O., cont. (Along "Riggie's Pad")

Epitoma sp. *hermanni* ♂, not mtd.

Chalcids 3 = *Homocidus* of *vicinior* ♀, ant. 22. H. 19. sp. ♀ ant. 25.

Chalcids *synanthidis* ♂, ant. 22 & 22. *Hyperaspis crassicornis* ♀, ant. 31. on beech log.

Homocidus flavolineatus ♂, ant. 22. *Stenomacrus* of *vicinior* ♂, ant. 24.

Stenomacrus sublineatus ♂, ant. 22. *Polyblastus* *virgatus* ♂, ant. 22.

Phaenocarpa ♀, not mtd.

Gn. et sp. ♂, ant. 31. *Microgaster* *vicinior* ♂, ant. 10.7.61.

Microgaster calceatus ♂, ant. 22. *Microgaster* *vicinior* ♂, ant. 22. making it appear to have 24 seg. ant.

Pygostolus *strictus* ♀

Stenomacrus paganus 2 ♂♂, ant. both 20

Homocidus *plagiator* ♀, ant. 24. *Aphidius* of *vicinior* ♀, ant. 25.

Polyblastus ♀ = *Gn. et* sp. ♂

Homocidus *vicinior* & *vicinior* & *Aphidius* sp. as common. Insect, totally, none mtd.

26th June '61. A fine, hot day, with a light breeze, with 1/2 in. of rain in evening. Spent forenoon on the plantation. Sunday. Took a walk with J. Brainerd & the children along the shore. Shopped. *Tetraneura* at other house of *Rosa* to Brainerd & swept in the area from the Ford (on 13.6.61) to the river & back along shore at River of the golf links. Home at 1 P.M. & Brainerd left for Dublin at 3 P.M.

26.6.61 cont. Sand dunes, E of Marlborough House, Co. Down.
= 1/26.6.1961.

Camponotus approximatus Large no. seen here {first taken here by
19.9.7 King on 50 years ago. HWS
Camponotus ruficornis common on dunes. 1 ♀
Myrmica 200, 200 =

Formica cf. *sericea* not mtd., but see opp. page →
Trypeta 4, none mtd.

Homocidus obscurus not mtd. H. sp. ♂ ant 28 very rare!

Parasitica 3 ♂♂, 2 ♀♀: 1 ♂ ant 21, 1 ♀ ant 30 Gen. et sp.?

Camponotus ♀. not mtd.

Bracon 3, including *B. areolaris* of which 2 only mtd. =

B. sp. ♂ ant 26, all black legs } *B. hipster* n. var. ♂ ant 26.
var. of *obscurus* or *areolaris* var. } agrees with type of m. taken here on 11/29.6.57.

Apanteles cf. *albipes*: not mtd.

Pimpla cf. *reticulata* 3 ♂♂: not mtd.

Meteorus rubens ♀. very highly coloured: ant.

Exochus rubens ♀: ant 34: NB. This might be *Exochus* sp. large 2 small towards apex.

Stenomacrus areolaris in abundance: none mtd.

Exochus sp. in abundance: none mtd.

Proctos: 1 ♂ *Belophaga* alone mtd. = *Belophaga depressa* ♂.

Chalcids: sent to Graham.

26.6.61, cont. Sand dunes N. of Newcastle, Co. Down.
Insects taken at 2. Dull, dry & windy!

Three minute Chalcids & *Stenomacrus areolaris* (the former sent
to Graham & not separated from those taken further N. at 1.

2 *Trypeta* ♂♂ & *Proctos* only mtd. as follows:—

Dicaelotus morosus ♂, ant. 25.

Stenomacrus affinis (A) ♀, ant. 23.

Galesus.

Trypeta 2 ♂♂ =

27th June Dull, dry & windy (W)

28th June Sunny, drier & calmer, very warm.

29th June Very hot, partial sun, some drier, with E. wind.

Left home at 10.30 for Donaghadee, stopped for a hour at

Lisnakeilly to call on Daisy's brother (Rev. A. E. Mitchell)

& family where on his retirement from *Episcopus* Rectory, they

have gone to live in "The Terrace". Reached Donaghadee

about 12.45 & spent lunch & afternoon with my

niece June Lee. Home at 6.30 P.M. for tea.

30th June A warm, soft, mainly dull day & no rain here

Left breakfast 10.0 AM. Spent an hour sweeping around the

miniature golf course between Bryansford & Shinn Road &

over part of the salt marsh at mouth of the Tullybrannigan Burn.

Collected in two areas as follows:—

1 = Furthest part of drain S of golf course, mostly off *Glyceria*.

2 = Brackish part of drain E. of golf course, up which high tides back

& where *Scirpus tabernaemontani* grows & salt flat at mouth of Burn.

2.7.61, cont. Sheep Walk, near B. Down.

Summit, north on W. slope, 1200 to 1500 ft.

[Small black butterfly frequent above road & on E. side of road (a. culture) seen below cliffs on E. slope.]

Atractodes tenebriosa? 4 ♂♂, black, ant. both 22. H. ♂, ant. 19. ♂♂ to 19. ♂ = *Chygasteroid*, ant. 19 =

Stenocranus cf. *cognatus* 8 ♂♂, 1 ♀. 4 ♂♂, 1 ♀, ant. 21, 22, 23, 23 (♂♂), 22 (♀). variation of ♂♂ rather variable!

Zootropus ♂. ♀, ant. 20.

Meloboris ♂. 1 ♂, 1 ♀; ant. 36 & 32 respectively, cross black.

Besseyia cf. *grandis* ♀; ant. 37.

Apanteles cf. *fraternus*? 1 ♂ - damaged!

Exochus *sylvia*, small ♀, ant. 32.

Pentapleura *injusta* ♀, ant.

Microgaster *andersoni* ♂, ant.

Monocentrus *caesus* ♀

Apanteles spp. present: only one mtd. - *A. cf. pumilus*? ♀, ant. 17. does not fit at all with!

Proctos *united* ♂, ant.

Chalcids ca. 12

Cynipids in mudding a bright red beetle ♂ & ♀ = possibly the species which makes gall on roots of *Potentilla* spp.

3. & 4th July 1961. Got from W. end of road, right of B. Down, along NW. wind on 4th, breezy, somewhat in evening: dry, with about 2 mm. & garden suffered much from wind & drought. On 4th day the first rain in top border. Planted 17th March - *Chrysanthemum* - & obtained a very poor yield of rice & other potatoes, entirely because of drought. Stanley, Skille spent evening of 3rd & 4th. Bob & family evening of 4th with us. They & some 20 ex-pupils from Stranmillis Training College, Belfast, at Shinn's House for a week.

5th July. After a chilly & windy (NW) forenoon, a very hot sunny afternoon, with wind dropping calm in evening.

Left home with bike for Tollymore Park about 10 AM. & went by Bannagher Gate round S. side of The E. Drive & did not collect till I got to the 'This way to the Mountain stone' where a bit of the old woodland remains: then = station No. 1. Also saw in same place:

1. = bit of old woodland, S. of the stream, as above
2. = From No. 1 along S. edge of the W. Drive & then through the plantation to old track on NW side of W. Drive.
3. = Old track back to top of Reggie's Pad.
4. = Lower Reggie's Pad
5. = From foot of Reggie's Pad to Bannagher Gate

Also some of the larger Hym. in killing bottle & these will be listed first:-

Very few *Aculeator* seen, but the following noted:-
Pentapleura quadricolor ♂. *Gedysus* cf. *pictus* ♂. *Vespa* *rupe* ♂.
V. norvegica ♂ & ♀ gathering pulp at top of W. end of No. 3.

Tollymore Park, Co. DO, cont.

5.7.61 cont.

Insects in killing bottle.

Cratichneumon cf. *foersteri*? ♂, ant. 35.*Andrytes pallistorius* ♂, ant. 45. *A. oratorius* large ♂, ant. 47.Cryptid ♂ = *Plectrocyptus arrogans* ♂, ant. 34.*Aspilota* ^{4th 1st person} *secureicornis* Htg. ♀ at base of log at 2; ant. 21.*Ephialtes agnoscendus* ♂ at base of log at 2, in another date: 2 now seen. ^{4th 1st person} ^{4th 1st person} Sent to B.M. Museum.*Pimpla elegans* ♀ at 1.*Eromenus brunneus* ♀, at 1, ant. 32.Gen. sp. near *terrestris* ♂, off oak, at 1.*Ichneumon* *acutus* ♂

Beetle 2. Black which =

Mantis *lanceolata* a large dead ♀ protruding from one of the base-tubes in log at 2 & possibly host of one of the above species taken in log, e.g. *Ephialtes agnoscendus* Ross!

Stonefly? =

Taken at 1 & 2 in numbers: 1000 each!

Hemiteles ♂: not at 2.*Orthocentrus asper* ♂, ant. 23.*Picrostigma* ♂, ant. 28.*Plectiscus* 3: { *Hedra* ♂, ant. 28.
 Plectiscus ♀, ant. 21.
 Aspilota ♀, ant. 21.*Eromenus brunneus* ♀, ant. 32.

Tollymore Park, DO, cont.

(1) 5.7.61. cont.

Aspilota ♂, not at 1. *Aspilota subquadrata* ♂, ant. 25.*Euphorus pallipes* group 1 ♂, ant. 23.*Opius stenops* ♂, ant. 24.*Dacnusa* cf. *areolaris* = abundant. *D. melanocera* several.*D. (P.) longicauda* several seen.*Microctonus caesus* ♂, ant. 25. *Aspilota* off common.*Belystus* 4: { *Belystus fuliginosus*? ♂, ant. 25. *Belystus* cf. *fuliginosus*? ♂, ant. 25.
 Belystus cf. *fuliginosus*? ♂, ant. 25. *Belystus forticornis* ♂ (fid. Nixon).*Proctos* (small) ca. 6.*Chalcids* ca. 15: many very small.

Taken at 2 & 3 in numbers.

Ichneumon subquadratus ♂, ant. (25+).*Tryphon* 6: 3 at 2 = *Stylomyia pallipes*? ♂, ant. 27.*Phygadeuon*? ♂, ant. 25. *Microctonus* cf. *areolaris* ♀, ant. 20.*Ephialtes agnoscendus* above, ♀: see opposite page! Sent to B.M.*Pimpla elegans* ♀: not at 2. *Ichneumon* (2) *secureicornis* Htg. ♀, ant. 21.*Ichneumon* 2: cf. *Ichneumon pictus* ♀, ant. 29; also a smaller ♂, with black face, ant. 30.*Polyblastus* *schlegelii* ♂, ant. 22; also a smaller ♂, with black face, ant. 20.*Microctonus* ♂, ant. 30: parasite of *N. larici*!Gen. sp. ♂ = *Chenopodius luteus* Htg. ♂, ant. (Htg. off) 26+.*Orthocentrus asper* ♂, ant. *Picrostigma*? ♂, ant. 28.

Therapsites triangularis $\frac{U}{T}$, ant (15+).

Mathematics of Confines? 4, art. 28

5.7-61 cont.

Tollymore Park, DO., cont.

5.7.61, cont.
Taken at 4 p.m. - mites.

Samplings 2: *Hemiteles* *actinatus*, small ♂.

Selandria morio ♀.

Cryptine 2 = *Hemiteles*? ♀ ♂, ant. 21.

Euclyptus ♀ ♂, ant. 28.

Acrodactyla madida ♂, ant. 24.

Polyblastus *monticola* 1 ♂, 1 ♀, 1 young: none mtd.

Microplitis ♂ ♂, ant. 32. *M. tenax* parasite!

Microgaster: 2 ♀♀, ant. 29 & 30 = cf. *M. marginellus* Grav.??

Microline? ♂, ant. broken =

Dacnusa *butenensis*? ♂, ant. only 27-seg.

Microgaster *pubescens*? 1 ♂

Meteorus *pallidus* (or *deceptor*?) ♂, ant. 43.

Pygostolus *sticticus* ♀, ant. 23.

Apanteles *anthracinus* ♀, ant. 34.

D. (P.) *obscurator* abundant: none mtd. *D. (P.)* *pubescens* ♀, ant. 24.

D. (P.) *longicauda* ♂, ant. 22.

Apanteles *lucicola* ♂ & ♀. *Apanteles* off common: none mtd.

= *Aphidius* *pterocommae* ♀, ant. 18.

Praon with abundant wing, *Praon* : only one (large) mounted

=

Chalcids common - none mounted.

5.7.61, cont. Tollymore Park, DO., cont.

Taken at 5 p.m. - mites.

Smully? *leucis* ♂

Dryinid ♀ =

Cryptine ♂: not mtd.

Proclitus *monticola*? ♀, ant. 22.

Praon *obscurator* 2 ♀♀, ant. 32 & 33.

Ephialtes *lucicola* ♀: not mtd.

Aphidius *pubescens*: none mtd.

Dacnusa (P.) *obscurator* abundant. 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100. } none mtd.

D. melanura 2 ♀♀

Chalcids 3.

6th July. A warm sunny day. In afternoon I joined a party from Stranmillis Training College, Rathfriland, on the river above the Glendy Bridge, on the S. of Newcastle, Co. Down. I swept a little on the river, but little to report. Took the following:

Hemiteles ♂ ♂: not mtd.

Pygostolus ♂ ♂: not mtd.

Microplitis? ♂ = *Microplitis* *lucicola* ♂, ant. 29.

Dacnusa *obscurator* ♂ & ♀, ant. 32 & 33. very minute specimen.

Apanteles of *vilis* Hal. ♀

Pentapleura *pubescens* ♀: not mtd.

Dacnusa *obscurator* common.

Praon *obscurator*

} none mtd.

Chalcids ca 10.

7th July 1961. Very dry, sun, sunny.

8th July. Similar, but more cloudy.

9th July. Missions brought to his room. Dr. Denny(?) spent day with us to get ridges to show during coming week in Belfast Museum. In forenoon we got that we could in garden & after walk. Coronaria in Tappanary Wood, we went up onto the moor to see Chama, but found very damp, yet dry & grazed by sheep & found nothing, except Agrostis of Perjuncta derisoria & quantities of Scirpus caespitosus, but latter the sheep appear not to eat. Sunday.

10th July. A dry dull day, cloud clearing, but no sun. Fall till slight drizzle at 10 P.M. mainly calm, but at times during the day a cold breeze from SW. blew in off the sea.

11th July. After some slight drizzle during the night, drizzle started about 10 AM (off & on) & later became steady & prolonged rain, with variable wind. In evening wind rose to moderate from South & then dropped again. Garden nicely wet & plants refreshed.

12th July. After an absolutely calm, damp, mild, night, drizzle started at 9 AM & continued to heavy rain, with gusts of S.W. wind. By 10 AM it was dark, foggy & very wet & calm. mild.

The rain cleared about midday & we had a very hot, humid & entirely sunny afternoon, although glass continued to fall. This was followed by a severe thunderstorm between 8 & 9 P.M. & heavy rain, which came from SW & passed over us & out to sea at 9.15 P.M.

13th July 1961. A nice, very pretty day of sun & cloud & a couple of showers. Wind light variable. Rain commenced at 11 P.M. & continued for some hours.

14th July. After a wet night & fine day promised, so with steady drizzle I set off for Tollymore Park at 10.30 AM, but drizzle fell at noon & rain set in at 1 P.M. as evening fell, rain was more wet. By 4 P.M. sun had come out & there was a little mopping of green & shadows in the forest of old woodland & after lunch at top of Piggies' Bed we saw both the following between 4 & 5 P.M. Home at 5.30. No insects seen at the house. Much bugs in wood & off the trees.

Tollymore Park, Co. Down.

Beetle =

Samflies 2 = Tenthredo lunda ♀ & Stenobothrus delicatulus ♂ under leaf in rain.

Diptera = Leptomyia ♂ ♀, ant. 27 (in rain).

Moth =

Homocidus pallipes ♂, ant. 23.

Adelognathus ♀

Gryllotalpa albigera ♀, ant. 21.

Picrostigma reticula ♀, ant. 29

& also 1 belina 2 ♂♂, ant. 27 & 28.

Mesochorus sp. tectus ♂: tested of anal setae & unken! Ant. 37

M. sp. ♂, dark sp. with red markings; ant. 25.

Proctos ♀ ♂ = Sp. dispar? ♀ ant. 31.

Helictes ♂ ant. 27 = apicalis, of albipalpis ♂ ant. 22.

Dicaelus hirsutus ♂, ant. 33.

14 7.61. cont.

Apanteles lateralis ♂*Microgaster* cf. *spretus* ♂*Microctonus* sp. ♂, semileucis, ant. 21, dark terebra! (one very small & dark, ant. 23, the other 24, ant. 26.)*Phaenocarpa ruficeps* 2 ♀♀ (Skille) from pellet of ? kestrel*Pentapleura pumilio* ♀: not mtd.*Aspilota* sp. ♂: not mtd.*Dacnusa areolaris* abundant - *D. longicauda* 1Rocton, 1 spec, including 2 *Belytids* of that that with red abdomentaken by Skille on dead tree with fungus = *Peromyza coniceps* ♂*Chalcids* about a dozen: 3 mtd. (one sp. 20.7.19, taken with water under tree in rain)

by mtd. 1 minute: not mtd.

also *Exallonyx longicornis* ♀the other taken under leaf in rain = *Chalcid fuliginosus* ♂

15th July A nice day with sun & clouds, but no rain. Very busy day, appeared all afternoon & occasional drops. Cool.

On evening of 14th. Home Dr. F. René Delbecq, of 31 the de
 bolton, by road, had been called to dinner. He is a person
 of 25, dark, thin, in the van in which he travels &
 sleeps. He had supper with me, left outside in the van, breakfast, &
 the 2 parties for home about 10.45. I had supplied him with
 information concerning *H. pumilio*. He said 1962 is his best
 found the anomaly, which is surprising. He spoke & understood
 English well & was a very nice chap aged 40. Stanley Skille
 called in to say good bye.

16th July 1961. Although glass had risen for 24 hours & we still
 rainy, the day opened cloudy, cold & very foggy & 2 forenoon.
 There was slight drizzle & wind 100 yds. Very bad weather persisted
 in England during last few days.

In afternoon Daisy & I walked to Tollymore Park & Berrysfield
 & round by the quarry S of the E. Drive & on to the board ways, where
 I found a ♀ *Ephialtes agnoscendus* mispositing & caught
 her & another ♀ a few minutes later. Collected into two suckers
 in following areas: — Left home at 2.15, home at 6.15

In sucker No. 1. From Berrysfield gate up avenue to bank
 & then up path to upper road: at foot of path took about a
 dozen *Peromyza* (see below) off 5th of young *Quercus*
 bank of a pool of water under 1: by road past quarry, as far as bit of
 In sucker No. 2. From cross of old road (S of road) at the
 guide house to the quarry, by avenue around this & on to
 the board ways S of the W Drive; & a few taken from foot-
 of Ruggles' Pad, in short cut, to Berrysfield gate on way home.
 Tollymore Park, Co. Down.

Taken at 1. *Pezomachus* ♂, ant. 21 =*Bracon* cf. *pectoralis*: 1 ♂, ant. 20.
Plectiscus vittatus discolor!*Notiobius* (or *Notiobius*)? ♂, ant. 21 =*Bracon* cf. *pectoralis* ♀: 5 very perfect specimens! Ant. 22.*Chalcid* ♂ = *Chalcid* *hirsutator* Hal. ♂, ant. 24, wings very dark!

(1) 16.7.61, cont.

Tollymore Park, DO, cont.

Open xanthogaster mite ♂, ant. 35.*Adelura flaviventris* ♂, ant. 27*Aspilota* sp. new *unimaculata* ♂ & ♀ on - inside of gills of fungus
ant. 24-27, deeply incriminate, tips slightly unidentifiable: on 5.8.1961, I sent 3 of the ♂ & ♀♀ to
Museum, Dublin, as well as a ♂ from Devil Glen, WI, 18.6.1960, which looks same species.*Dacnusa* (R) *areolaris* ♂ "unimaculata" not id.*E. longicauda* ♂, same: not id.*Ephialtes* spp. many, only 2 = *areolaris*.*Psilochorus* 1 = *Oxyblacus maculata* ♀.*Chalcids*: about 60: sent to Graham.

Taken at 2.

Microgaster of *locutor* ♂, ant. 20, but differing in several ways from ♂ or ♀
named from *Psilochorus* ♂, 27.11.77 742.*Idolaspis anali* ♂, ant. 29.*Ephialtes agnoscendus* ♂ & ♀ on broad leaved leaf, one of
which was ovipositing! ant. 27 & 28.*Eulophus fortinatus* ♀, ant. 26.*Homocidus fortinatus* ♂; not id.*Phaenocarpa nubilicornis* ♀, ant. 18.*Pimpla notata* ♀, ant. 30.*Stenomacrus* cf. *exilis* ♀, ant. 22.*Stenomacrus* cf. *morionellus* ♀, ant. 22.*Mesochorus* sp. ♂, larger, red thorax, ant. 37.*M.* sp. ♂, small, ant. 39.*Proctos* *proctor* ♀*Plectiscus* sp. ♀, large, ant. 23.

(2) 16.7.61, cont.

Tollymore Park, DO, cont.

Trachysura aurora ♂, small, ant. 32.*Dacnusa* (R) *areolaris*: in vast abundance, also a few *longicauda*.*Aphidius* spp. abundant: 1 ♂ id. only = *Aph. platanorum*, ant. 18.*Proctos* 2 large ♂ or ♀ = *Phaenocarpa calcar* Hal. ♂ & ♀*Exochus* *niger* ♂.*Chalcids* ca. 20, including 1 large ♀ & one very minute example!*Dipteron* 1 = *Psilochorus pomonae* ♂?

17th July. A nice dry day, just some intervals.

18th July. A poor & disappointing day, with a NW-MW gale
which produced some drizzle & hail squalls, after a fine early
morning. Left home at 10 AM.Left Tollymore Park, via the barrowland
gate & collected in three areas, as follows:-

- 1 - From barrowland gate, via road, to foot of dogger shed. 11.40 AM
- 2 - From foot of dogger shed to top of house road on N. side of the
W. side of house place by old house 11.45 AM - 12.15 PM.
- 3 - From house place back to the foot of old dogger shed via the barrowland gate.

Tollymore Park, Co. Down.

In killing bottle. Large Horn. Fly = ? *Helophorus pendulus* L.*Polyblastus* ♀, ant. 31: commonest of all black parasites.*Mesoleptus proclivus* ♂, ant. 36*Mesochorus fulvus* ♂, ant. 43. ♂ between legs: ant. small.*Campoplex* cf. *foveolatus* ♂, large, black, ant. 53.*Pygostolus testaceus* 1 large ♀.

Taken at 1

Microplitis cf. tuberculifera ♂

Taken at 2.

Pharynx 53, and .26 =

Hemiteles sp. ♀, ant. x

Sympleci. anthostoma ♀, ant. 21.

Sigalphus ♂. not id.

25th July 61. A warm, calm day, but dry & mainly cloudy, with wind backing to SE in evening & freshening a little.

26th July. A warm, wettest day with strong SW. wind. Drizzle set in about 11 AM, followed by rain & drizzle, but cleared & blue again all evening & night, which ended day and the rain had done as usual.

During afternoon, Bryan Wood, his eldest brother Peter, & his father called. Had cup of tea & inspected the garden. Bryan is at present taking a 3 year horticultural course in Edinburgh Bot. Gardens.

26th July. Gale from SW continued all day till 9 PM. & did much damage in garden. Slight drizzle occurred now & then but not enough to damp the soil. During yesterday & today I dug 7 rows of potatoes in top plot & only got 2 buckets full of small potatoes.

27th July. A dull day, no sun, with drizzle & rain at times, clearing in evening: wind light SW-W.

28th July. After a shower during night & strong NW wind, a dry day of cloud & sun. Got a bonfire going & burnt a lot of rubbish & dug last 3 rows of potatoes in upper plot. George's family arrived for week-end after nearly a fortnight's delay to his being very ill with mumps. At Ballymore.

29th July. Warm & moist in forenoon with light drizzle & hills, but none to speak of here, after a windy night: about noon wind dropped to calm & in afternoon sprang up from SE. off sea, sun came out & was hot & warm evening. At 4 PM. in hot sun I watch a ♀ *Colletes ruficornis* gathering pollen at flowers of *Calluna vulgaris* in back garden & caught with hand & ♂ flying over the heather: both very fresh & the ♂ in my earliest date for this bee, which is new to NE. Ireland, but taken in Co. Galway by R.C. Faris.

30th July 1961. A humid, sultry day, dry but almost entirely cloud. Wind variable, light, sail S. or SE. Left house on bicycle at 10.15 & went to Tollymore Park via Courtyard Gate & collected by sweeping in four areas, as follows:—

1 = side of avenue from Courtyard Gate to foot of Raggie's Pad. Pad. 10 at till 12 noon

2 = Raggie's Pad & broad wood S. of top of same. 12 noon till 1.10 PM.

3 = Patch of old woodland S. of broad wood. 1.30 - 2.15 P.M.

4 = From 3 along avenue S. of W. Drive & back on N. side to top of Raggie's Pad. No ticks seen on broad logs!

Tollymore Park, Co. DO.

Insects taken at 1.

Ichneumon spicatus ♂, ant. 36: new to the Irish fauna!

Cryptine 3: 2 W. = *Stilpnus gurgatus*? ♂, ant. 17. *Leptocryptus* ♂ small ♂ ant. 21.

Glypta ^{from wood} or *curvipes*? ♀, ant. 37. *Tryphon* 2 ♂ = *longipes*!

Pentaneura filicornis ♀, ant. 46. } *Polyblastus*? (perhaps alien!) ♂, ant. 31.

Chorebus 1 ♀, ant. 29 =

Homocidus cinctus, *flavolineatus*, *obscuripes* ♀, 1 each. none at all.

Promethes laticarpus 1 ♂ & ♀. none at all.

Picrostigenus? ♀, ant. 29.

Plectiscus 1 = *Leucophaea dentipes* ♂, ant. 26.

Colletes braconius 1 minute ♂.

Stenomacrus paganus ♂, ant. 19. NB. ♂ & ♀ in coll. under this name appear to have antennae somewhat differently in coll. & might be both small & a individual segments. A.D.S. 22.2.62

36. 6/30.7.61, cont. Tollymore Park, DO. cont.

Trachypus aureus ♀

Decorus areolaris in millium, also *longiradicis*, 2 fers.

Ephedrus plagiator 2♀♀. *Aphidius* spp. abundant.

Proctos much frequent & 4 others (3 *Belytids*): 2 *Belytids* & 1 other, not id.
= *Belytis depressa* ♀. *binatus areolaris* ♀, ♂ taken on (3) 4.6.1961 & both Nixon

Chalcids in abundance.

30.7.61, cont. Taken at 2.

Ichneumon ♂, ant. 32. = "*Ichneumon* sp." ♂. F. Perkins, 1944 62. 1st subgenus? ^{Ant 32}

Tryphon 2. 1st = *Tryphon* ♂, ant. 31.

Tryphon "brevicauda" ♂, ant. 31. *Tryphon* (b.) *elongatus* ♂, ant. 34.

Homocidus *laticarpus* 3♂♂: not mtd. *Mesochorus* ♀, ant. 39 =

Promethes *rectus* ♀: not mtd. *Alloea* *caudatus* ♂, ant. 48.

Exochus cf. *citrifus* ♀, very nice! Ant. 35.

Mesochorus ♂, ant. 30.

Campoplegid 3. *Dacnusa* cf. *eximius*! ♂, ant. 24.

Heterocampa sp. ♂, ant. 34. Also 6 small ♂♂ (ant. 20) possibly same species.

Plectiscus 3 = *Plectiscus*? sp. 2♂♂, ant. both 22.

Dacnusa *hirsuta* ♂, ant. 29.

Aphidius cf. *fulvipes* 1♂.

Microgaster flavipes 3♀♀

Ephedrus pallidipes 1/24, ant. 26.

57. (2) 30.7.61, cont. Tollymore Park, DO. cont.

Leptocryptus *littoralis* ♀, ant. 22.

Pentapleura *pumilio* ♀.

Decorus areolaris 1 millium & a few *longiradicis*.

Raon volucre ♀. *Ephedrus plagiator* ♀.

Aphidius spp. abundant, esp. 1♀ mtd. = *A. phoenicis* ♀, ant. 19.

Proctos: much frequent & 4 others: 2 mtd. = *Pentapleura*? & *Leptocryptus*? (both *littoralis*?)

Chalcids 20-25.

30.7.61, cont. Taken at 3.

Phygadeuon? ♂, not mtd.

Orthocentrus or *Picrostigen*? ♂, ant. 27 =

Phygadeuon *clavicornis* ♂: not mtd.

Aphidius cf. *pallipes*? ♀. *Microgaster flavipes*? ♀

Microgaster *singleipes* ♀, very nice! Ant. 30.

Ephedrus *lacertorum* ♀. *Decorus* (f.) *affinis* ♀, *D. areolaris* abundant.

Aphidius spp. common, none mtd.

Belytids 2 = *Tryphon* cf. *caudatus* ♂ " ♀

binatus cf. *poecilus* ♂. ♀.

Chalcids ca. 20, including 2 especially interesting looking! isolated!!
all sent to Graham.

58. 30.7.61, cont. Tollymore Park, DO, cont.

Taken at 11.

Sawfly: *Heptamelus ochroleucus* ♂

Exochus varius ♂.

Diptera 2

Ichneumon 4: 6 specimens of *lineator* ♂, ant. 26. Pl. of *fuscicornis*? ♂, ant. 27.

Epilomus parvus 2 ♂♂, ant. 21 + 22

Cryptids 3: 2 mtd. = *Chalcids* of *trichicornis* ♀, ant. 20. { *Phygadeuonid* ♂, ant. 24 }

Pimpla of *detrita* 2 ♀♀, ant. both 23: one larger, one medium-sized.

Ichneumon reticornis ♂, ant. 31: must be ♂ of 2nd brood!

Promethes laticarpus 6 ♂♂: mtd. *Homocidus obscuripes* ♀: not mtd.

Stenomacrus of *concinna* ♂, ant. 27: radius (3rd striae) virtually straight!

Gen. et sp.? 1 = *Meridius* of *new* very small ♂, ant. 26. 3?

Dyspota perrugator ♂ 1st of season: not mtd.

Plectiscus 2 = *Dicelus hirticornis* ♀, ant. 27

Plectiscus ♂, ant. 20.

Microgaster flivipes Hal. ♀

Apanteles sp. 4: none mtd

Leiopterus latitator ♀, ant. 26+, broken.

Pentapleura pumilio ♀: not mtd. *Dacnusa areolaris* abundant } none mtd.

Ephedrus (various) ♀, not mtd. *Aphidius* small ♀ *A. aff.* common none mtd.

Proctos. 9 + many minute sp.: 6 (large) mtd. = *Exallonyx longicornis* ♀.

Oxylabus maculatus ♂. *Pantoclis lineola*? ♀.

Acanosoma? sp. 200, 1 ♀

(4) 30.7.61, cont. Tollymore Park, DO, cont.

Chalcids 30-40: sent to Graham.

Lygus 6 few, several minute; not mtd.

31st July. After some welcome rain at night, dry day, but very light NW wind, blowing in afternoon & falling calm & evening, dull in forenoon, but becoming more & more sunny towards sunset. George & family left for home.

1st August. After a cold night & heavy rain, a hot, sunny morning, with thunder clouds in distance, but none came here till 7.30 P.M., when we had a short & heavy shower which soon half-way through my evening watering. In afternoon I caught a nice ♂ *Ichneumon* *reticornis* flying over rock garden - back garden: this I had seen in same place the previous day & one or two years ago, from it some three years ago, which I failed to capture but was nearly certain of its identity.

2nd August. Mainly fine, after a dry night, with considerable sunny periods - forenoon, mainly cloudy - afternoon & evening, with showers at 11 A.M. & 3.30 P.M. Wind very light, NW.

3rd August. A genuine wet day! After a cold night drizzle set in about 7 A.M. but no rain till after 9 A.M., then wind & rain gradually increased & S.W. & eventually W gale blew all day, with more gusts & bursts of heavy rain. About noon the temperature rose to very warm & muggy & this continued till bedtime. Much broken & damaged in garden & lawn.

4th & 5th August 1961. South with light rain & showers. On 4th I dug
up 2 x 11 ft rows of potatoes at end of main plot & got good crop considering
the recent drought. These were planted on 27th April.

6th Aug. Sunday. Drive by Mr. Caldwell we made an attack on Slieve
Donard, Finner, J. M. O'H. Wood, Mr. & Mrs. Caldwell.

Taking the car up the dreadful road up Trawny Valley to about 700
ft alt. we then were set off for the gap between Slieve Donard &
Slieve Meelmore, while the ladies stayed in the valley. We had
lunch in rain, after a long & heavy shower, at foot of cliffs
of Slieve Meelmore about 1/2 mile N. of the car & then proceeded to
summit & up SW. slope of Slieve Donard, the actual summit
of which is a 30 foot granite tower on one side of which one
has to stop, unwillingly to reach the flattened, hill-topped table-sized
top. From this is a magnificent view & I took 2 photos, but
having run out of capos, I could not complete the circle.

We returned via the Harrow Gap & back to car at 6.30 P.M.
The morning was very bright & had rain - after a calm &
clear night, wind W. light, but about noon a heavy shower came
up from W. wind dropped & shower lifted over a table 1.15 P.M.
Then we had heavy hours rain for lunch, another shower, more rain,
a shower, cloud & sun, more rain but in a fairly light shower
& a fine calm evening. The granite has a very poor flora & of
the same plants we only saw a very little. *Salix herbacea* & *Vaccinium*
vitis-idaea in shelter of the rocks on summit & two patches of *Deschampsia*
fern on cliffs of Sl. Meelmore at the lower place, but the stream

6.8 61, cont. Trawny Valley, & Slieve Donard
Finner, Finner, Co. Down, cont.

of rare plants was compensated by the succession. About 2
varieties in colour of flowers of the *Erice cinerea* which was
just at its best after the second rain. The flowers varied from
white & pale pink, through salmon & some shade of purple to
a rich crimson or rose - the last being abundant. White bell-shaped
& one patch of white *Erice tetralix* also seen - many
plants taken to grow by Mr. Wood & I gave by myself.

A small beetle which I took only on the top of the hill was the
only insect taken, but a very small *Scaphisoma* seen on the
hillside - *Scaphisoma* & *Scaphisoma* the only ones actually
noted. Over a dozen photos taken during the day, but
not all in best light. No SWIFTS seen since
2nd August!

7th August. A nice day, sunny & calm, after a heavy dew, at
first, with southerly cloud drift, wind therefore SE. here
coming, and the E. flank of Slieve Donard increasing in
afternoon to moderate. Glass started to fall in afternoon
& clouds became dense, with signs of rain later in evening.
Had large bonfire & in evening I planted some poorly rooted
plants, as well as cuttings of variously coloured *Erice cinerea*, white
bell-shaped & a possible white *E. tetralix* in bed behind the seat
by the wee burn, & also some cuttings of *E. cinerea* in pot with
those of *Deschampsia azarica* in greenhouse - half the *azarica*
cuttings having died (on the sunny side of the pot!).

62
28th August '61. After a very wet night & no wind, we had a fine forenoon
& evening fine afternoon. Wind NW & quite light & dropping calm
in evening. England had some gale, rain, thunder & flooding, chiefly
in the Channel was & much damage to small boats & campers' gear.
In afternoon I packed up a few Field Plants (*Sax. hibernica*, *spathulata*
& 2 hybrids; *Sax. rostrata* (Gardner), *Euphorbia hibernica*, *Deloselinia contorta*
& seed pods of *Lathyrus maritimus*) & posted them to Miss Elaine
Sullivan, Toftwood St. Olaf Kirkwall, Orkney, who a couple of
months ago sent me a bit of *Arctostaphylos alpinus* in a polythene bag
but it was "cracked" on journey & did not live.

9th Aug. Mainly bright, sunny & warm, calm, but several heavy
showers & one especially about noon was prolonged & with
thunder. Spent afternoon with Mr. & Mrs. Linn in Toftwood Lane.

10th Aug. "Showers & bright periods." A gale formed & wind changed
from W. to E. about 3.15 PM, after a fine forenoon, afternoon more
showery than fine, evening fine but cloudy, & soon a. F. wind dropped.

11th Aug. A day of drizzle & rain from 10 PM till tea time &
continuing on & on from 11 PM till 1 AM. A gale, which did not
affect the Belfast district. A sudden drop in barometer occurred about
5 P.M.

12th Aug. After a very heavy dew (about 10 PM) & clear
& calm night, a rain shower forenoon, but rain came on
about 4.30 PM & a new trough arrived following a ridge.

George & family arrived at 11.30 AM. to stay till 17th.

13th Aug. A fine day, by 10 AM, a few showers & rain, but
mostly fine & sunny in forenoon.

To the house change & on to Mr. Caldwell & the Cunningham's gate
of Tullymore Park, where spent the day. Home 5.30 P.M.

63
13th/14th/61, cont. Tullymore Park, Co. Down.
Collected by sweeping in two places. 14th till 1.30 PM & after lunch on
15th, cont.
1 = From house down gully, on about 5th grass, along S. side of
the stream to the water mill, where had lunch at 1.30 PM.
2 = From road to the stream, down the stream, down S. side of
again along S. side of the stream, & down Rigger's Pad 4.0. 5.0 PM.
Near Spurburn River saw a patch of wild *Deloselinia* in the burning
ground, & brought home small bunch dry (about 1/2 lb. each).
On way back to Rigger's Pad saw my first plant of a *Polytrichum*
fern. Tullymore Park, but a not one of it, a *regulans*
or *subulatum*, but I think the latter & a very up to Rigger's Pad
Mr. Caldwell found a strong fern which I believe to be an
alien (a plant of *Asplenium formosum* & a species of *Asplenium*
green nearby!).

Insects in killing bottle (all taken at 1 except at *Deloselinia* sp
& *Pimpla* sp. ♀):—

Ichneumon *gracilis* ♂, together 2 ♂♂ - 1 yellow, ant. 26.

Pimpla *flavipes* ♀, ant. 27.

Polytrichum *subulatum* 26 small ♀♀, all young, yellow, & none with...

Promethes *laticornis* ♂, ant. 24.

Insects taken at 1 & in number - (also see above)

Ichneumon sp. ♂, ant. 19.

Pimpla sp. ♂, ant. 26.

Promethes *laticornis* ♂, ant. 24. (also see above).

13.8.61, cont. Tollymore Park, Co. DO, cont.

Taken at 1, cont.

Homocidus pusillus ♀, ant. 22. *H. cf. pusillus* ♂, ant. 21.

Stenomacrus sp. 2 ♂♂, not mtd.

Microgaster sp. "new marginellus" var. ? ant. 31.

Microgaster small sp. 2 ♀♀: 2 mtd. ant. 24 & 25.

Apanteles *altipalpus* ♂ & ♀: not mtd.

Ischnura *breconensis* ♀

Microgaster cf. *flavipes* Hal. ♀

Apanteles *cellidus* ♂

Microgaster *dispar* ♂, ♀, ant. 24 & 25. 1 ♂, ant. 26. 1 ♀, ant. 27.

Taken into mtd. ant. 24 & 25. 1 ♂, ant. 26. 1 ♀, ant. 27.

1 ♂, ant. 33. { Very near *O. truncatus* W. but some small differences. It might be *reconditor* W. var. 1 (1st type form) & I shall not label it with a ♀ AWS. 17.2.62.

O. (P.) nana Hal. ♂, ant. 43.

Adelius *cratichneumon* 2 ♂♂, ant. 46 & 47.

Aspilota *timida* ♀, small, ant. 20.

Dacnusa *areolaris* *fulvipes* & probably other species: none mtd.

Aphidius sp. common: none mtd.

Ichneumon 1 = *Ichneumon* *transversus* Thoms. ♀

Ichneumon (2) = *Ichneumon* *transversus* & *Ichneumon* (1) = *Ichneumon* *transversus*: sent to Graham.

Microgaster 2 =

Two of *Microgaster* given to Graham of 20.3.1962.

{ *Microgaster* 2: see opp. page →
= *M. filator* ♂, ant. 27.
or *M. granulatus* ♀, ant. 24.

13.8.61, cont. Tollymore Park, Co. DO, cont.

Taken at 2 & 3, cont.

Stenomacrus *gigas* ♂, ant. 21. *Pezomachus* *nitidus* ♂, ant. 20.

Pimpla *argyrea* ♂, ant. 21. *Pimpla* *argyrea* ♂, ant. 21.

Pezomachus *nitidus* ♂, ant. 20. *Homocidus* *abundans* ♂

Homocidus *abundans* ♂, ant. 21.

Apanteles ♂, ant. 19.

Stenomacrus ♂.

Microplitis *fulvipes* ♂.

Euclyptus *costatus* ♂, ant. 26.

Aspilota *zeutheni* ♂, ant. 21.

Pezomachus *nitidus* ♂, ant. 20.

Triclistus *robustus* ♂, ant. 21.

Proctos: not mtd.

Chalcids: ca 20-25.

{ *Microgaster* *granulatus* ♀, ant. 24.
= *M. filator* ♂, ant. 27.
These were taken at 1 & 2 not 2! AWS

Ichneumon 1 very minute

14th Aug. A dull day with W wind & almost drizzling, rain in late evening. dug rows 1 & 2 of potatoes at W. end of main plot & had bonfire.

15th Aug. A nice day with much sun, becoming cloudy in evening as trough approaches from NW: wind NW, light, backing to SW. George with my help put "Sylphs" on one half of greenhouse roof.

16th Aug. 1961. A warm, muggy, day, but strong WSW wind with
various attempts at light drizzle & sunny intervals, as through panes.
Rain in evening.

In afternoon, 2.30-3.0, swept along the sea burn & in the wuggs
in back garden & took the following insects:—

Back garden, 21 Tullybrannigan Road, Newcastle, Co Down

Eriophyes off *Sedum* = *Nematus foliosus* ♂

Chrysomelids podagraceus ♀: off & closely associated with *Senecio*.

Epitoma ♂ ♂, not mtd. (Laciniid: gen. et sp. ? ant. 27 =

Prionoxystus of *debitis* ♀, ant. 22.

Bracon: not mtd.

Homocidus obscuripes ♀, not mtd. *H. longiventris* ♂: ant. 21.

Barichneumon *orbitalis* sp. n. ♂ & ♀ (Type): ant. 24 (♂ 27). Like *orbitalis* but with a long body
in head, white collar, between ant. & thorax. 1958. 14. 2. 1962.

Apanteles cf. *fulvipes*? ♀, but not Marshall's description.

Blacus *paganus*? ♂, ant. 19, but head & thorax & petiole longer than in ♂
from Tullybrannigan back on 25. 8. 61.

B. cf. *humilis* ♂, minute! ant. 19.

Opius *concolor* ♀, red antennae! ant. 24.

Ephedrus *plagiator* 2 ♀♀ *E. pallidellus* ♀, ant. 10/11.

Dacnusa areolaris in clumps, especially on *Vitis* leaves: none mtd.

Proctos. 3 & some minute: 2 mtd. =

Chalcids. 50 to 100: sent to Graham

Cynipids a few minute
Hemiptera } none mtd.

17th Aug. 61. A very warm day, with intense sun at times & some cloud,
but no rain: wind gusty & variable, high clouds from E.
In forenoon took the following *Hyemoptera* in back garden:
mostly at the little oak tree on the hill in wuggs.

Back garden, 21 Tullybrannigan Road, Newcastle, Co. Down,
Chrysomelids *canifrons* ♂ taken, other seen, on oak (young tree!).

C. podagraceus ♂ on oak.

Hemiteles sp. ♀, ant. 25.

Pimpla 2 ♂♂ = *P. melanocera* ♂ ♂, ant. 30. *P. flavipes* 11 mtd. ♂ ant. 26.

P. cf. brevicornis, ♂, ant. 20.

Promethes *laticornis* sp. ♂: not mtd.

Chrysomelids *canifrons* ♂, ant. 26

Scaphisoma *minuta* ♀: not mtd. - pinned: ant. 60.

Proctos. 1 on *Vitis*: not kept

Hemiptera (very small) = *Orius majusculus* Reuter, ♀, fid. M. Mance, 1964.
- sent to Graham.

18th Aug. During night the gale returned & blew all day from
W. with severe gusts; also light drizzle off & on but none
well pronounced. Sowed the Kew's Pink potatoes in trench &
got a good crop.

19th Aug. After a windy night (NW) with some rain or drizzle, a dull rather
chilly day, but no drizzle after 11 AM & wind gradually falling to calm
in late afternoon.

20th Aug. Very warm - humid - with drizzle, light & moderate, from 10.30
onwards, after a dry night, but sun shining through the drizzle most of
forenoon & until 2 P.M. Many *Hyemoptera* seen on the little oak

65 20.8.61, cont.

in back garden including *Crabro scutellon*, *E. fulvipes* & *Verbe* ¹⁹⁶¹
I took the following insects on the oak with me, but before I could
get to the canopy to sweep the figs I saw a *Chalcid* in the back, one
sweeping the long-stemmed *Crabro* *scutellon* & a few
black flies. Taken in back garden 10.10 PM.

Schmoneid 3 spp. 3 ♂♂ = *Diadromus venustus*? ♂, ant. 23; see below!

Apanteles bellinorum ♂, ant. 27.

Leptocryptus fulvipes & *Leptocryptus* ♂, ant. 26.

Promethes sulcator ♂, ant. 25.

Homocidus rufipes? ♀, ant. 20, well spread.

Apanteles ♂ = sp.? group is Marshall. hind femora & tibiae conspicuously black; tinged short on both.

Taken off the oak, before shower, at 5 PM.

Schmoneid *suspensum*? ♂, ant. 20.

Phaenocarpa ♂ = *Diadromus ruficollis*? ♂, ant. 33; see above!

Cryptinid 4 = *Atractodes (Leptocryptus)* ♂, ant. 20.

Leptocryptus sp. ♂, ant. 21. *Phygadeuonid* ♂, ant. 22.

Cryptinid of *Diadromus* sp. ♂, ant. 32.

Pimpla 2 ♂♂ = *P. flavicornis* ♂, yellow mentellum, ant. 28.
P. maculator ♂, ant. 24.

Homocidus *curator* ♂, ant. 21. *H. pulchellus* ♂, ant. 22.

H. tarsatorius ♂, some on taken. *H. tarsatorius* ♂, ant. 23.

Mesochorus sp. *nodosus* ♂, ant. 33; seems to be in *Schmid*, but does not agree well!

Apanteles *fulvipes* ♀.

Crabro *scutellon* 2 ♀♀.

21-23 Aug. 1961. Stormy & mainly dull & wet on 21st, rather & mainly sunny
dry on 22nd, but heavy rain on late evening & early night.

24th Aug. Almost entirely sunny & light variable wind, chiefly from east
during middle of the day & dry after a wet night & early dew.
In afternoon I went to *Donard Lodge* woods & collected in two
areas, as follows, for forty-five minutes each:—

1 = Woods W. of waterfall & below bridge. 3.30-4.15 PM.

2 = Woods E. of *Glen River* (waterfall) & 1.0. 4.15-5.0 PM.

Donard Lodge woods, Co. Down.
Insects taken at 1. (W. of waterfall).

Phygadeuonid, red ♂ not id. *Henitche* ♀ small black ♂, ant. 19.

Stilpnus *giganteus* ♂: not id. *Pezomachus* ♂, ant. 23.

Pezomachus ♂ 2 ♂♂, ant. both 18.

Promethes *coarctatus* & *pulchellus* 1 ♂ of each: neither id.

Diadromus sp. ♂, very small, not id. *Pezomachus*? *reticulatus* ♂, ant. 37.

Pezomachus *fulvipes* ♂, ant. 26.

Pezomachus *romanus*? ♀, ant. 21. *Aphacuta* *tenicornis* ♀, ant. 24.

Eubadizon *flavipes* ♂, ant. 25. *Aspilota* *serripes* ♂.

Sphegus *validus* ♀. *Diadromus* *crucians* in abundance.

Proctos 12 large, many minute: 2 id. =

Phaenocarpa *calcar* Hal. ♂.

Diapriid ♂ (ant. 12).

Chalcids ca 50: sent to Graham.

24.8.61 cont. Donard Lodge, DO, cont.

Taken at 2. (E. of waterfall!) [only 7 mtd.]

Ant. on *Myrmica* *lucorum* not mtd.

Cryptine 3 = *Euchyris* 2: not mtd.

Pezomachus sp. ♀, ant. 18: none of 2 taken at 1, sep. 69 antea.

Stenomacrus *hullatus* 2 ♂♂, 1 ♀: not mtd.

Phaenocarpa *fulvipes*, *coarctata* & *laticarpus*: several seen of each: none mtd.

Stenomacrus *obsoletus* 1 ♂, ant. 20. 4 *Stenomacrus* *obsoletus*: not mtd.

Orthocentrus: 1 ♂, ant. 20: not mtd.

Phaenocarpa 2 ♂♂ = *P.* ♂, ant. 20. 1 ♀, ant. 20. 1 ♂, ant. 20.

Rogus *tristis* ♂, ant. 47.

Stenomacrus *micropterus* 2 ♂♂.

Euchyris *calceolaris* ♀

Aspilota *tumida* ♀, ant. 19.

Dacnusa *areolaris* abundant: none mtd.

D. cf. *areolaris*, small ♂, ant. 34: hairs on propodeum & tergite 1 affected by the latter?

Ephedrus *plagiator* ♀: not mtd.

Proctos: none mtd.

Chalcids: sent to Graham.

Other got into another
+ put specimens with
keeping amongst the blacked
ant. 20, larger trachea

25th Aug 1961. After a windy night (S-SE) with squally rain, sun out in afternoon when we had a
sun spell & some rain. After 4 pm continued to fall slowly by rain &
dropped to light in afternoon. 11 PM rain again about 6 PM.
Very humid & warm all day. Fine by 11 PM & dry after this.

26th Aug. A brilliant sunny forenoon & evening, but a gloom passed a
little before noon & heavy rain fell for a couple of hours.
Wind SW, sun then out very warm. Grog row 7 potatoes in
main plot - Golden Wonder - & got fair crop. During both
cuttings of scarlet & white geraniums & put into pots in greenhouse.

27th Aug. A windy day, but warm & dry. Wind strong S-SE
in morning, SW later & dropped to light about 6 PM.
Left home with bike at 10.30 AM & went to Tollymore Park
& stayed collecting till 5.10 PM. [In house on 27.8.61 I took a large
♂ *Orthocentrus* *fulvipes*
Van impugnation, ant. 40.
with two white ones then at later
in garden on 30.8.61 AM.]

1. Green from Garryland gate to shortcut, up the, & N. to
bottom of Reggie's Bad. 11.0-12.10 noon
2. Reggie's Bad. 12.10-1.20 PM
3. From top of latter down avenue, along old track to "the logs"
2.0-3.0 PM
4. From 3 back along S. side of West Drive to old woodland
3.0-4.30 PM
5. Piece of old woodland where stone "To the hummocks" stand
4.30-5.10 PM

Also many in killing bottle from all stations.
Tollymore Park, Co. Down.

In killing bottle.
Diptera 3 (2 *Hydrophilus* & 1 *Tiphid*) =

72. Tollymore Park, DO, cont.

27.8.61, cont.
In killing bottle, cont.

2 *Syrphus* *anthracinus* *ferugineus* ♀ = *remota* ♀ = *Pachysyrphus* *obductus* ♀.
Diptera 3 = *Chrysomelid* *stans* 2. ♀ ? pale bluish-black, back, ♂
Syrphus *lanceus* G.S. ♀ ? Tipical =
Vespa *norvegica*, a very dark ♂ at 3.

Cratichneumon *ruficornis* ♀, ant. 27.

Cryptinid ♂ = *Plectrocyptus* *arrogans* ♂, ant. 32.

Limnobia *cylindricornis* ♂, ant. 40, but does not agree well!

Drosophila *proclivator* 2 ♀♀. *Polyblastus* *vestitus* ♂ of others, seen.

Homocidus *flavolineatus* ♂, ant. 25. *Sagittaria* cf. *zonata* ♀, ant. 22.

Homocidus ♂ =

Euryproctus *annulatus* Grav. dark at. (J.F. Perkins 19.4.1962) of *linocentrus* - *melanostigmus* group
Eubodion *extensor* ♀. (J.F. Perkins 19.4.1962)

Taken at 1 (2 in smoker).

Cryptinid 3, including *Stilpnus* *gagates* ♂ & ♂.

Phygadeuonids 2 ♂♂, ant. both 21 =

Leucospis *rubicincta* ♀, ant. 33.

Proctos *aequalis*, *pulchellus*, *laticeps*. *Proct.* none sold.

Homocidus *abruptus* 3. 2 ♂♂ = *H. flavolineatus* ♂, ant. 26. (J.F. Perkins 19.4.1962) (J.F. Perkins 19.4.1962)

H. laevigatus, small ♀, ant. 22.

Chalcid *posticus* Halp. ♂? ♂, ant. 28.

Stenomacrus *verticalis* ♂, with shortened antennae. ant. 23.

Campoplegid ♀ = *Phaeodactonus* *transfusus* ♀, ant. 28.

Plectiscus 3 = *Scutelliphys* *dentifera* ♂, ant. 26. *Halecia* *pulchra* ♀ large, ant. 30.
H. ♂ small, ant. 21.

73. Tollymore Park, DO, cont.

(1) 27.8.61, cont.

Onophanes *lanceolatus* ♀, ant. 22.

Rogas *tristis*, small ♂, ant. 26.

Apanteles cf. *marginatus* ♂. *Microplitis* cf. *tuberculifera* ♂.

Microgaster *phalaris*, small ♀, ant. 21.

Dacnusa *nitens* ♀ & *D. areolaris* = *thoracica*.

Glyptus *lanceolatus* ♀

Proctos - 6 + many minute. *Proctos* = *Scutelliphys* *dentifera* Halp. ♀
Chalcid only, also = *Stenobothrus* ♂

Chalcid, ca 100-120.

Cynipids - none minute!

Taken at 2.

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Tollymore Park, DO. cont.
(2) 27.8.61, cont. [cont. cont.]
"Apteris" (*Chenitipennis*) sp.
taken 19.4.1962.

Cryptine 4. *Microcryptus* (*Apteris*) *parvulus* Thoms. ♀, ant. 24.
Phygadeuonid ♂, ant. 22 =
Cryptine ♂, ant. 28 =

Phygadeuonid, large ♂, ant. 23 =

Promethes laticarpus 5 ♂♂, 1 ♀: not id.

Hemiteles clavipes 2 ♂♂, not id.

Stenomacrus ventralis 1 ♂. *St. (reventatus)* *parvulus* ♀, ant. 19.

Aperilipus albipennis ? ♂, not id.

Oncophanes sp. ♀ (same as found 1-10.8.73).

Rhyssalus clavator ♂

Proctos.

Mon. mtd.

Chalcids ca. 20.

Taken at 3.

Cryptine 13, including *Stilpnus jagalis* 2 ♂♂, *Pezomachus* 1 ♀, ant. 20.

Hemiteles ♀, ant. 21 (also possibly ♂ of same, ant. 22 H. sp. ♀, ant. 24).

Phygadeuonid ♂, ant. 22 = Cryptine ♂, ant. 30 =

Microctonus or *Euclyptus* ? 2 ♂♂, ant. 23 & 25 =

Leptocryptus ♀, ant. 25.

Leucospide bellator ♂, not ant. 40.

Polyblastus ventralis ♀, not id.

Euclyptus 2 = *E. proctus* 2 ♀♀, ant. 30 & 32.

Stenomacrus (*reventatus*) *flavissimus* mtd., ♀, ant. 21.

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(3) 27.8.61, cont. Tollymore Park DO cont.

Promethes laticarpus 2 ♂♂. *Hemiteles clavipes* & patches, 1 each, ♂.

Hemiteles clavipes Holmgr. ♀, ant. 24.

Gen. et sp. ? ♀, ant. 32. same sp. as ♂ taken here on (2) 14.9.1958.
= *Hemiteles* sp. ? ♀, 7. Perkins (19.4.1962).

Theridion ♀, ant. 22 =

Leptocryptus 4, including mounted ♂ & ♀, same as at 1. & 2 other
of which only 1 ♀ mtd. = *Leptocryptus interruptus* Hq. ♀, ant. 22. ♀, with well l'ows.

Phaenocarpa ? ♀, ant. 20

Hemiteles clavipes ♀, large, ant. 34. m. of *granulatus* Hal. ♀, ant. 20.

Stenomacrus diatrypa 2 ♂♂, one with wing, trachea visible. ant. 40 & 47.

Stenomacrus clavipes abundant. *Aphidius transversus* ♀, ant. 24.

Aphidius pumilus ? ♀, also black abd. ant. 17

Proctos 8, mtd. = *Cryptoserphus parvulus* ♂.

Oxytelus maculatus K. ♂.

Pantochus possibly *similis*, ♂.

Pantochus of *truncata* ♀, dark abdomen!

Chalcids, ♂ - ca. 40-50.

Taken at 4.

Euclyptus ♂, not id.

Phygadeuon ♀, ant. 19.

Cryptine ♂, ant. 27 =

Hemiteles flaviventris ? ♂, not id.

Pezomachus ♂, ant. 26 = *truncatus* Hq.

76 (4) 27.8.61, cont. Tollymore Park, DO., cont.

Adelura pilicornis (♂?) ant. 30.

Myiophila *concolor* ♂ & ♀. *Myiophila* *lineator* ♀ ant. 39.

Adelura *brunnea* ♂ & ♀ ant. 21.

Apanteles *g* *g* ♀

A. falcatus ♀

Rogas *burkei*, large ♂, ant. 48. *proven* like the sp. but stigma very black!

Microctonus *brispetiolatus* sp. n. ♀ Type! ant. 17. AWS. 27. Jan. 1962.

Meteorus ♀

Cipterites ♀

Dacnusa *areolaris* ♂ & ♀.

Proctos. 3 = *Pantochus* *truncatus* ♀

Chalcids, etc. 50-60.

Taken at 5. (Very windy & most taken on ground under trees & bushes!)

Microctonus *ellipticus* ♂ & ♀, ant. 26. = *B. locutor* Thoms.

Ichneumon *nemoratus* ♀, ant. 30.

Stenomacrus *pygmaeus* ♂ & ♀ ant. 20. *Myiophila* *lineator* 3 ♀, ant. 23.

Homocidus ♂ & ♀ ant. 21 - very like the ♀, but ♂ is more

Homocidus ♂ & ♀ ant. 19.

Homocidus *cinctus* ♀, ant. 21, all black abd.

H. ruficornis ♀, ant. 22.

Proctos *truncatus* 3 ♂, ant. 24.

77 (5) 27.8.61, cont. Tollymore Park, DO., cont.

Stenomacrus *truncatus* ♂ & ♀ ant. 24.

Picrostigmus sp. ? 2 ♀♀, ant. 27 & 29.

Phaenocarpa ♂ = *Myiophila* *lineator* ♂, ant. 24.

Apanteles *g* *g* ♀

Opius *concolor* ♂, *Adelura* *g* *g*! ant. 22.

Pentapleura *pygmaeus* ♀, ant. 17, very small & with very dark legs.

Adelura *dictyona* ♂, ant. 44; small specimen

Dacnusa *cylindrica*, ant. 23. ♂.

D. areolaris, common; none old.

Loxotropa *g* *g* ♀, ant. 40.

Triclistus *nemoratus* ♀, *Adelura* *g* *g*! ant. 11.

Proctos 3 *Proctos* only 1 ♂ = *truncatus* of *pygmaeus* Thoms. 2 ♀♀

Adelura *alticola* ♂.

Chalcids, etc. 30-40.

28th Aug. Gale from S. SE all day, but warm & no rain. Dug last row of potatoes in main plot & had bonfire.

29th Aug. Gale continued most of day, but died down in late aft. Very hot & mainly sunny & temperature of over 80 F. recorded in many parts of England. Dug last potatoes in triangle - *Adelura* & *Golden Wonder* -

30th Aug. Still very hot & mainly sunny, but no or little wind & the variable. Dug very last potatoes at old compost heap & cut front grass. In afternoon we often saw but got all potatoes stored in coal. house. One cutting, only saw growth raised clouds of *Dacnusa* *melanura* from *pygmaeus* sp.

30th Aug 1961 Another day of blazing sun & blue sky, but a cool strong breeze off sea (E) kept temperature down. In afternoon Daisy, Mrs. McLeod and I went by 12.30 bus to Dardun & returned by 3.45. I collected by sweeping around the old terrace walls, for 2 hours & + in the area, as follows:—

Dardun battle grounds, Co. Down.

- 1 = Under trees on N side of castle
- 2 = " " " " W. & SW of castle, the two sites just over top of NW of castle where a small group of young ash grow.

Insects taken at 1. 1.30-2.30 P.M. In shade but in breeze.

- Merisica angusta* ♂, ant. 24. *Cratichneumon rufipes* ♂, ant. 26.
- Tryphon* sp. 10, including *Stilpnus* ♂. *Tryphon* sp. 2: 10 mtd. ant. 25.
- Brachymeria* cf. *leucopis*, 3 ♂♂, ant. 27, 28 & 29.
- Homocidus* ♂, ant. 22.
- Leucospis pallidus* ♂, very slender, ant. 10 mtd. has very long ant.
- Promethes sulcator* ♂, ant. 26. *P. angustatus* 2 ♂♂ not mtd.
- Stenomacrus* *concoloratus* ♀, ant. 25.
- Chalcid* sp. ♂, ant. 23 = *Dacnusa areolaris*, small ♀, ant. 23.
- Phaenocarpa* ♂. *Dacnusa* cf. *leucopis* ♂, ant. 20.
- P. concolor* ♀, ant. 19. *Dacnusa* *brachymeria* ♀, ant. 23.
- Apanteles* cf. *fulvipes* ♂, ant. not mtd.
- Chalcid* *parvicornis* ♀, ant. 16.
- Eulophus* *retusus* ♂. *E. glaucus* ♂, ant. 14, 24 & 25 (2).
- Blacus* *lucorum* ♂ & ♀, in 2 rows, most of young group of ash & large.
- As in tree, but not clear here unless it helps to see 2 other specimens.
- Opius* 2 = *O. spretus* ♀, ant. 21, & *O. (B.) ruficornis* ♀, ant. 35. 2 ♀♀ mtd., ant. 17.

(1) 31.8 61 (ant.) Dardun battle, DO, cont

- Aspilota* 3. *A. fuscicornis* ♂, ant. 17.
- A. cf. abia* 2 ♀♀, one very young, ant. 19, very ant.; the other not quite 2 mm, with only 20 seg. ant.
- D. (B.) confinis* *Roth*, ♂, ant. 22.
- Dacnusa areolaris* abundant, also *longicauda*, & *multispinosa* (1).
- D. abdita* 5: 1 ♀ mtd., ant. 30. *D. hera* 1 ♀, ant. 33.
- [*Aphidius* many, seen (?) but none in mtd.]
- Praon* ♂, ant. 20: 3 mtd. = *Euclyptus micromerus* 2 ♀♀
- Diapriid* ♂, ant. 13 =
- Chalcid* ♂, ant. 60-70.

Tryphon 3.

- Taken at 2.
- Tryphon* ♀, ant. 24. *Cratichneumon rufipes* ♀, ant. 22.
- Ichneumon* *uliginosus* ♂, ant. 29.
- Tryphon* *fuscicornis* ♀, ant. 23.
- Tryphon* 7. only 1 mtd. = *Brachymeria* cf. *leucopis* ♂, ant. 28.
- Leucospis pallidus* ♂, not mtd.
- Promethes sulcator* ♂: not mtd. *Homocidus* cf. *brachymeria* ♂, ant. 21.
- Chalcid* *parvicornis* ♀ = *Chalcid* *truncatus* ♀, ant. 29.

80. (2) 31 & 61 cont. Grounden Bottle, DO, cont.

Arctia fulvipes? 2♀♀, ant. both 30. Pair of *fulvipes* or distinct species, darker, smaller, head small & not so transverse; dorsal tergites more polished. + C. AWS.
Agrotis tricolor ♀, ant. 45

Geometraeae *crucians* frequent; none mtd.
Geometra (large) ♀: only mtd. = *Geometra* sp.

Chalcids, & minor *Pteris*. 40-50: sent to Macaulay.

31. 8. 61. cont. In killing bottle.

Cratichneumon ruber ♂, ant. 2, mtd. 75. sp.
" *fabricator* " ♂, ant. 38. 7500. 3rd spot of scutellum! AWS.

Euclyptus at 1. n. 6 mtd.

Cryptus ♂: not mtd.

Glypta *vestrita*, ♂, ant. 7. not mtd. Polyd. ♂ = *Leptochryseus* AWS.

1st Sept. A very fine day, sunny, with a light breeze, & a few clouds. In the evening a light rain fell.

2nd Sept. Fine & bright, with a light breeze, & a few clouds. In the evening a light rain fell.

Salix longicaulis which has been found in the west-
Southport Ham Show. It is the *laevigata* x *humboldtii*.
I planted it in the NW corner of back garden where 2 plants
Sparganium angustifolium (in fillers) had died.

13. 9. Sept. 1961. "Hill fog" & gentle drizzle - very light at times 85
all day, after a dry foggy night. No wind, but a variable
draught. Sunday. In afternoon during a dryish period we
walked round by Tipperary Wood. There is a very large area
down "Toggart" road from junction of Glenamaddy
Avenue. This was used as a cut-out by a bulldozer recently
& on crest of the hill in south about 6 ft into a very strong
boulder clay, with sparse, a foot of soil only on top.
At foot of slope the old road line of ca. 2000-2500 years
ago is cut & there is no visible boulder clay & soil is
± sandy & free of stones.

4th Sept. Hill fog which occurred all night continued all day
& generally accompanied by drizzle. Spent most of day
looking out specimens of *Aspilota* requested by Marcus
Lydon in his letter dated 21st Aug. '61.

5th Sept. Hill fog cleared away at 6 AM but rain & clouds at 8.30 AM.
clearing before noon, but no sun till nearly 4 PM. & then a dry evening.
Much colder, wind light at first, later NW & somewhat fresh at times.

6th Sept. Cold, NW-W wind, fine in forenoon, but a short trumpet shower at
1 PM. heralded in a showery afternoon, but cleared later & a clear, strong,
night followed.

7th Sept. A bright morning, followed by a windy sunny day, when no rain
fell here & I got both leaves & the waxy green ant. Being planted
3 new rows of strawberries, while the older plants are in full
flower & we have had edible fruit off them recently. Some
Rhododendron & the *Hamanella* opposite hill down with flowers open.

8th Sept. 1961. A very nice, calm, sunny day. Took several photos in back garden in forenoon including *Heather*, *Lupinus*, *Geranium*, *Helix*, *Limnoloba basalis* & taken on window sill. ^(The latter yellowish-brownish, black, cream & fuscous, translucent, & striped.)
 9th Sept. After a fine calm night & early forenoon, a strong gale rose about noon & drizzle first & later heavy rain with SE. & later strong SW. wind, in late aft. & evening.

10th Sept

Tollymore Park, see next volume of diary!



